

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2886182

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>SEQUENCE:</b>	2
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LOUIS JULES ROGER MARIE MAES	05/04/2011
KELLY DE WIT	05/04/2011
KOEN JAN LUDOVICUS AUGUSTYNS	05/04/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	UNIVERSITY OF ANTWERP
<b>Street Address:</b>	PRINSSTRAAT 13
<b>City:</b>	ANTWERPEN
<b>State/Country:</b>	BELGIUM
<b>Postal Code:</b>	B-2000
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14113356
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(732)524-2808
<i>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.</i>	
<b>Phone:</b>	7325242782
<b>Email:</b>	JNJUSPATENT@CORUS.JNJ.COM
<b>Correspondent Name:</b>	BERNARD F. PLANTZ
<b>Address Line 1:</b>	JOHNSON & JOHNSON
<b>Address Line 2:</b>	ONE JOHNSON & JOHNSON PLAZA
<b>Address Line 4:</b>	NEW BRUNSWICK, NEW JERSEY 08933
<b>ATTORNEY DOCKET NUMBER:</b>	PRD3164USPCT
<b>NAME OF SUBMITTER:</b>	ELEANOR MARINO
<b>SIGNATURE:</b>	/Eleanor Marino/
<b>DATE SIGNED:</b>	06/05/2014
<b>Total Attachments: 7</b>	
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Serial No.:            Art Unit:

Filed            :            Examiner:

For            :    NOVEL ANTIFUNGAL 5,6-DIHYDRO-4H-PYRROLO[1,2-  
                  a][1,4]BENZO- DIAZEPINES AND 6H-PYRROLO[1,2-  
                  a][1,4]BENZODIAZEPINES SUBSTITUTED WITH HETEROCYCLIC  
                  DERIVATIVES

Commissioner for Patents  
Washington, D.C. 20231

CERTIFICATE UNDER 37 CFR 3.73(b)

Janssen Pharmaceutica NV, a Corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

A.            ☐    An assignment from the inventor(s) of the patent application identified above.    The assignment was recorded in the Patent and Trademark Office at Reel            , Frame            , or for which a copy thereof is attached.

OR

B.            ☒    A chain of title from the inventor(s), or the patent application identified above, to the current assignee as shown below:

1.    From:    Inventor            Meerpoel, Lieven  
              To:            Janssen Pharmaceutica NV  
              The document was recorded in the Patent and Trademark Office at Reel            , Frame            , or for which a copy thereof is attached.

2.    From:    Inventors Maes, Louis Jules Roger Marie and de Wit, Kelly and Augustyns, Koen Jan Ludovicus  
              To:            University of Antwerp  
              The document was recorded in the Patent and Trademark Office at Reel            , Frame            , or for which a copy thereof is attached.

3.    From:    University of Antwerp  
              To:            Janssen Pharmaceutica NV  
              The document was recorded in the Patent and Trademark Office at Reel            , Frame            , or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1091, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

*02 OCTOBER 2013*

Date

Signature

Frank Daelemans

Typed or Printed Name

Proxy Holder

Title

## General Assignment

WHEREAS, I, *Meerpoel, Lieven*, citizen of Belgium, residing at c/o Janssen Pharmaceutica NV, Turnhoutseweg 30, B-2340 Beerse, Belgium (hereinafter called "Assignor"), am employee of Janssen Pharmaceutica NV at the time the invention

### NOVEL ANTIFUNGAL 5,6-DIHYDRO-4H-PYRROLO[1,2-a][1,4]BENZO-DIAZEPINES AND 6H-PYRROLO[1,2-a][1,4]BENZODIAZEPINES SUBSTITUTED WITH HETEROCYCLIC DERIVATIVES

(hereinafter called "Invention") was made and I am co-inventor of that invention,

for which on the 5<sup>th</sup> day of May 2011, European Patent Application no. EP 11164960.4 was filed at the European Patent Office.

WHEREAS, I am named as co-inventor in the above-identified patent application; and

WHEREAS, the conditions under which said Invention was made are such that as defined in the contract as an employee of Janssen Pharmaceutica NV I automatically entitle Janssen Pharmaceutica NV having its place of business at Turnhoutseweg 30, B-2340 Beerse, Belgium (hereinafter called "Assignee") to the entire right, title and interest to said Invention and improvements thereof, including the right to claim priority of a priority application for the Invention, both domestic and foreign; and

WHEREAS, the Assignee is desirous of acquiring Assignor's entire right, title and interest in the Invention and improvements thereof, including the right to claim priority of a priority application for the Invention, both domestic and foreign.

NOW, THEREFORE, BE IT KNOWN, that, for good and valuable consideration the receipt of which from the Assignee is hereby acknowledged, the Assignor for the avoidance of doubts hereby assigns and transfers to the Assignee his entire right, title and interest, including the right to claim priority of a priority application for the Invention, in and to said Invention and improvements thereof, which may be disclosed in a patent application and in and to said patent application, and all foreign equivalents thereof, including all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, both domestic and foreign, that may be granted for said Invention, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made.



I covenant that I have the full right and obligation to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment.

I further agree to make, execute and deliver to the Assignee upon request, any and all papers, documents, declarations, affidavits, or other instruments that may be necessary in the prosecution of any application or applications for the Invention and improvements thereof or reissues of Letters Patent, and to assist the Assignee in every way as may be requested in protecting said Invention. I acknowledge that this obligation includes the duty to execute, in a timely manner, any Declaration and Power of Attorney that may be necessary in the prosecution of applications relating to said Inventions in the United States or elsewhere.

I agree that this general assignment is effective from the 4<sup>th</sup> day of May 2011.

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seals this date.

  
Meerpoel, Lieven

The undersigned  Coppens, a Notary Public at Vosselaar (Belgium), does hereby certify that this document is an identical copy of the original.  
Vosselaar (Belgium).  
(Signed)  Coppens



**PATENT**

**REEL: 033040 FRAME: 0049**

## General Assignment

WHEREAS, I, *de Wit, Kelly*, citizen of Belgium, residing at c/o University of Antwerp, Prinsstraat 13, B-2000 Antwerp, Belgium (hereinafter called "Assignor"), working at the University of Antwerp at the time the invention

### NOVEL ANTIFUNGAL 5,6-DIHYDRO-4H-PYRROLO[1,2-a][1,4]BENZO-DIAZEPINES AND 6H-PYRROLO[1,2-a][1,4]BENZODIAZEPINES SUBSTITUTED WITH HETEROCYCLIC DERIVATIVES

(hereinafter called "Invention") was made and I am co-inventor of that invention,

for which on the 5<sup>th</sup> day of May 2011, European Patent Application no. EP 11164960.4 was filed at the European Patent Office.

WHEREAS, I am named as co-inventor in the above-identified patent application; and

WHEREAS, the conditions under which said Invention was made are such that as defined in the decree concerning the Universities of the Flemish Community (June 12, 1991; Section 8, Art. 169ter. § 1.) I automatically entitle the University of Antwerp, having its place of business at Prinsstraat 13, B-2000 Antwerp, Belgium (hereinafter called "Assignee") to the entire right, title and interest to said Invention and improvements thereof, including the right to claim priority of a priority application for the Invention, both domestic and foreign; and

WHEREAS, the Assignee is desirous of acquiring Assignor's entire right, title and interest in the Invention and improvements thereof, including the right to claim priority of a priority application for the Invention, both domestic and foreign.

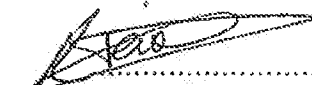
NOW, THEREFORE, BE IT KNOWN, that, for good and valuable consideration the receipt of which from the Assignee is hereby acknowledged, the Assignor for the avoidance of doubts hereby assigns and transfers to the Assignee his entire right, title and interest, including the right to claim priority of a priority application for the Invention, in and to said Invention and improvements thereof, which may be disclosed in a patent application and in and to said patent application, and all foreign equivalents thereof, including all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, both domestic and foreign, that may be granted for said Invention, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made.

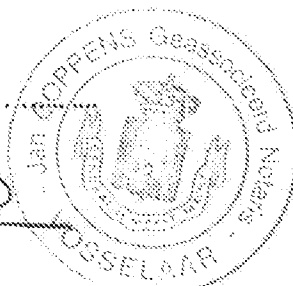
I covenant that I have the full right and obligation to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment.



I further agree to make, execute and deliver to the Assignee upon request, any and all papers, documents, declarations, affidavits, or other instruments that may be necessary in the prosecution of any application or applications for the Invention and improvements thereof or reissues of Letters Patent, and to assist the Assignee in every way as may be requested in protecting said Invention. I acknowledge that this obligation includes the duty to execute, in a timely manner, any Declaration and Power of Attorney that may be necessary in the prosecution of applications relating to said Inventions in the United States or elsewhere.

I agree that this general assignment is effective from the 4<sup>th</sup> day of May 2011.

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seals this date.

  
*de Wit, Kelly*



The undersigned  Coppens, a Notary Public at Vosselaar (Belgium), does hereby certify that this document is an identical copy of the original.  
 Vosselaar (Belgium),  
 (Signed)  Coppens

## General Assignment

WHEREAS, I, *Maes, Louis Jules Roger Marie*, citizen of Belgium, residing at c/o University of Antwerp, Prinsstraat 13, B-2000 Antwerp, Belgium (hereinafter called "Assignor"), am employee of the University of Antwerp at the time the invention

### NOVEL ANTIFUNGAL 5,6-DIHYDRO-4H-PYRROLO[1,2-a][1,4]BENZO-DIAZEPINES AND 6H-PYRROLO[1,2-a][1,4]BENZODIAZEPINES SUBSTITUTED WITH HETEROCYCLIC DERIVATIVES

(hereinafter called "Invention") was made and I am co-inventor of that invention,

for which on the 5<sup>th</sup> day of May 2011, European Patent Application no. EP 11164960.4 was filed at the European Patent Office.

WHEREAS, I am named as co-inventor in the above-identified patent application; and

WHEREAS, the conditions under which said Invention was made are such that as defined in the decree concerning the Universities of the Flemish Community (June 12, 1991; Section 8, Art. 169ter. § 1.) I automatically entitle the University of Antwerp, having its place of business at Prinsstraat 13, B-2000 Antwerp, Belgium (hereinafter called "Assignee") to the entire right, title and interest to said Invention and improvements thereof, including the right to claim priority of a priority application for the Invention, both domestic and foreign; and

WHEREAS, the Assignee is desirous of acquiring Assignor's entire right, title and interest in the Invention and improvements thereof, including the right to claim priority of a priority application for the Invention, both domestic and foreign.

NOW, THEREFORE, BE IT KNOWN, that, for good and valuable consideration the receipt of which from the Assignee is hereby acknowledged, the Assignor for the avoidance of doubts hereby assigns and transfers to the Assignee his entire right, title and interest, including the right to claim priority of a priority application for the Invention, in and to said Invention and improvements thereof, which may be disclosed in a patent application and in and to said patent application, and all foreign equivalents thereof, including all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, both domestic and foreign, that may be granted for said Invention, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made.

I covenant that I have the full right and obligation to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment.

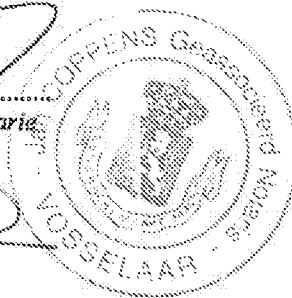
I further agree to make, execute and deliver to the Assignee upon request, any and all papers, documents, declarations, affidavits, or other instruments that may be necessary in the prosecution of any application or applications for the Invention and improvements thereof or reissues of Letters Patent, and to assist the Assignee in every way as may be requested in protecting said Invention. I acknowledge that this obligation includes the duty to execute, in a timely manner, any Declaration and Power of Attorney that may be necessary in the prosecution of applications relating to said Inventions in the United States or elsewhere.

I agree that this general assignment is effective from the 4<sup>th</sup> day of May 2011.

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seals this date.

*Louis MAES*

*Maes, Louis Jules Roger Marie*



The undersigned *JAN* Coppens, a Notary Public at Vosselaar (Belgium), does hereby certify that this document is an identical copy of the original.  
Vosselaar (Belgium),  
(Signed) *JAN* Coppens

**PATENT**

**REEL: 033040 FRAME: 0051**

# General Assignment

WHEREAS, I, *Augustyns Koen Jan Ludovicus*, citizen of Belgium, residing at c/o University of Antwerp, Prinsstraat 13, B-2000 Antwerp, Belgium (hereinafter called "Assignor"), am employee of the University of Antwerp at the time the invention

## NOVEL ANTIFUNGAL 5,6-DIHYDRO-4H-PYRROLO[1,2-a][1,4]BENZO-DIAZEPINES AND 6H-PYRROLO[1,2-a][1,4]BENZODIAZEPINES SUBSTITUTED WITH HETEROCYCLIC DERIVATIVES

(hereinafter called "Invention") was made and I am co-inventor of that invention,

for which on the 5<sup>th</sup> day of May 2011, European Patent Application no. EP 11164960.4 was filed at the European Patent Office.

WHEREAS, the conditions under which said Invention was made are such that as defined in the decree concerning the Universities of the Flemish Community (June 12, 1991; Section 8, Art. 169ter. § 1.) I automatically entitle the University of Antwerp, having its place of business at Prinsstraat 13, B-2000 Antwerp, Belgium (hereinafter called "Assignee") to the entire right, title and interest to said Invention and improvements thereof, including the right to claim priority of a priority application for the Invention, both domestic and foreign; and

WHEREAS, the Assignee is desirous of acquiring Assignor's entire right, title and interest in the Invention and improvements thereof, including the right to claim priority of a priority application for the Invention, both domestic and foreign.

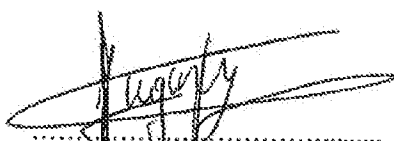
NOW, THEREFORE, BE IT KNOWN, that, for good and valuable consideration the receipt of which from the Assignee is hereby acknowledged, the Assignor for the avoidance of doubts hereby assigns and transfers to the Assignee his entire right, title and interest, including the right to claim priority of a priority application for the Invention, in and to said Invention and improvements thereof, which may be disclosed in a patent application and in and to said patent application, and all foreign equivalents thereof, including all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, both domestic and foreign, that may be granted for said Invention, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made.

I covenant that I have the full right and obligation to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment.

I further agree to make, execute and deliver to the Assignee upon request, any and all papers, documents, declarations, affidavits, or other instruments that may be necessary in the prosecution of any application or applications for the Invention and improvements thereof or reissues of Letters Patent, and to assist the Assignee in every way as may be requested in protecting said Invention. I acknowledge that this obligation includes the duty to execute, in a timely manner, any Declaration and Power of Attorney that may be necessary in the prosecution of applications relating to said Inventions in the United States or elsewhere.

I agree that this general assignment is effective from the 4<sup>th</sup> day of May 2011.

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seals this date.

  
 .....  
*Augustyns Koen Jan Ludovicus*

The undersigned *JAN* Coppens, a Notary Public at Vosselaar (Belgium), does hereby certify that this document is an identical copy of the original.  
 Vosselaar (Belgium),  
 (Signed) *JAN* Coppens





### General Assignment

WHEREAS, University of Antwerp, having its place of business at Prinsstraat 13, B-2000 Antwerp, Belgium (hereinafter called "Assignor"), is the owner of certain new and useful inventions relating to

#### NOVEL ANTIFUNGAL 5,6-DIHYDRO-4H-PYRROLO[1,2-a][1,4]BENZO-DIAZEPINES AND 6H-PYRROLO[1,2-a][1,4]BENZODIAZEPINES SUBSTITUTED WITH HETEROCYCLIC DERIVATIVES

for which on the 5<sup>th</sup> day of May 2011, European Patent Application no. EP 11164960.4 was filed at the European Patent Office.

WHEREAS, JANSSEN PHARMACEUTICA NV, having its place of business at Turnhoutseweg 30, B-2340 Beerse, Belgium (hereinafter called "Assignee") is desirous of acquiring Assignors' entire right, title and interest therein, including the right to claim priority thereof,

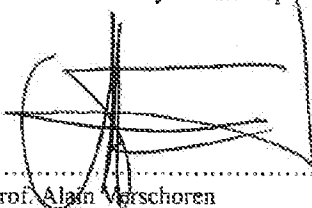
NOW, THEREFORE, BE IT KNOWN, that in view of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Assignor hereby assigns and transfers, for all countries in the world, to said Assignee its entire right, title and interest, including the right to claim priority, in and to all said inventions disclosed in said applications and in and to said applications, and all foreign equivalents thereof, including all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, that may be granted for said inventions, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made.



And for purpose of obtaining patent protection in any foreign country, the Assignor hereby agrees that, any right, title and interest, in and to all said inventions disclosed in said applications and in and to said applications, and all foreign equivalents thereof can be directly assigned by the inventors to the Assignee without explicit confirmation of the Assignor.

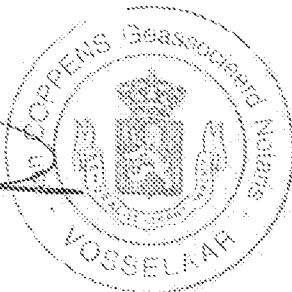
I agree that this general assignment is effective from the 4<sup>th</sup> day of May 2011.

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seals this date.

For the University of Antwerp

  
Prof. Alain Verschoren  
Rector

The undersigned  Coppens, a Notary Public at Vosselaar (Belgium), does hereby certify that this document is an identical copy of the original.  
Vosselaar (Belgium),  
(Signed)  Coppens



PATENT