503643000 01/11/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3689633

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SERGE MARIA ALOYSIUS PIETERS	06/27/2013
WERNER EMBRECHTS	06/27/2013

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:	14392214

CORRESPONDENCE DATA

Fax Number: (732)846-6630

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: 732-524-2543

Email: mturner5@its.jnj.com

Correspondent Name: BERNARD F. PLANTZ

Address Line 1: JOHNSON & JOHNSON

Address Line 2: ONE JOHNSON & JOHNSON PLAZA
Address Line 4: NEW BRUNSWICK, NEW JERSEY 08933

ATTORNEY DOCKET NUMBER:	TIP0300USPCT
NAME OF SUBMITTER:	MARGARET TURNER, PATENT PARALEGAL
SIGNATURE:	/Margaret Turner/
DATE SIGNED:	01/11/2016

Total Attachments: 6

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> PATENT REEL: 037453 FRAME: 0097

	Attorney Docket No.: TIP0300USPCT Serial No.:
	THIS DOCUMENT IS BEING SUBMITTED FOR A DUAL PURPOSE
	DECLARATION AND ASSIGNMENT — PATENT APPLICATION
Title of Invention: Pyrrolo[3,2-d]pyrimidine derivatives for the treatment of viral infections and other diseases	

As the below named inventor, I hereby declare that:

This declaration is directed to:

____ The attached application, or

X The United States application or PCT international application number PCT/EP2014/063467 filed on 26 June 2014

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.

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

Janssen Pharmaceutica NV, Turnhoutseweg 30, 2340 Beerse, Belgium

A corporation of the state or country of Belgium

(hereinafter designated as the "Assignee"), my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, including Canada, 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 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 them had this assignment and sale not been made.

I agree to execute all papers necessary in connection with the Application in the United States, Patent Cooperative Treaty, European Patent Office and any other foreign countries 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.

I agree to execute all papers necessary in connection with any litigation or any other administrative or judicial proceeding in the United States, Patent Cooperative Treaty, European Patent Office and any other foreign countries 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 and 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 agree to 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.

Page 1 of 2

	Attorney Docket No.: TIP0300USPCT
	THIS DOCUMENT IS BEING SUBMITTED FOR A DUAL PURPOSE
	DECLARATION AND ASSIGNMENT — PATENT APPLICATION
Title disea	of Invention: Pyrrolo[3,2-d]pyrimidine derivatives for the treatment of viral infections and other ses
such i	I agree to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent ignee or its nominees, in the United States, European Patent Office and in all other countries where Assignee may desire to have needed or its nominees, or any of them, patented, with specifications and claims in such form as shall be approved by Assigne vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.
the sa	I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to did Assignee, and (ii) as Assignee of the entire interest, and hereby covenant that I have full right to convey the interest hereinged, and that I have not executed, and will not execute, any agreement in conflict herewith.
desira	I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary of the in order to obtain legal recordation of this document.
PIET LEGA	ERS, Serge Maria Aloysius LI NAME OF INVENTOR
	5 11/08/2014 11/08/2014
Signa	ure Date
	ACKNOWLEDGMENT
	STATE-OF
	SS: COUNTY OF
	Acknowledged before me, a Notary Public, within and for said-County-and-State. Witness my hand and Notarial Seal
	thisday of
	OR:
X	I hereby acknowledge that I have also assigned the above-identified invention by General Assignment (attached hereto) which is hereby conformed for recordation in the US Patent Office.
X	Attached hereto is a Notarization.
	The above signature(s) has been seen by us, Notary Coppens at Vosselaar (Belgium), and we certify it to be genuinely the signature(s) of Serge Maria Aloysius Pieters.
	Chie Geasgo
	Notary Public
	Page 2 of 2
1	14802012

General Assignment

WHEREAS, PIETERS, Serge Maria Aloysius, citizen of the Netherlands, residing at Pizarrostraat 2, 4562 AR Hulst, The Netherlands (hereinafter referred to as "Assignor"), was employee of Janssen Pharmaceutica NV at the time the invention "Pyrrolo[3,2-d]pyrimidine derivatives for the treatment of viral infections and other diseases" (hereinafter referred to as "Invention") was made. The Assignor is co-inventor of that Invention,

for which on 27th day of June 2013, European Patent Application no. EP13174108.4 was filed at the European Patent Office.

WHEREAS, the conditions under which said Invention was made are such that as defined in the contract as an employee of Janssen Pharmaceutica NV the Assignor automatically entitles Janssen Pharmaceutica NV having its place of business at Turnhoutseweg 30, 2340 Beerse, Belgium (hereinafter referred to as "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.

The Assignor covenants that the Assignor has the full right and obligation to convey the interest assigned by this Assignment, and the Assignor has not executed and will not execute any agreement in conflict with this Assignment.

The Assignor further agrees 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. The Assignor acknowledges 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.

The Assignor agrees that this general assignment is effective from the 27th day of June 2013.

IN TESTIMONY WHEREOF, the Assignor and Assignee set hereunto their hand and seal this date.

PIETERS, Serge Maria Aloysius

Janssen Pharmaceutica NV

Attorney Docket No.: TIP0300USPCT Serial No.:
THIS DOCUMENT IS BEING SUBMITTED FOR A DUAL PURPOSE

Title of Invention: Pyrrolo[3,2-d]pyrimidine derivatives for the treatment of viral infections and other diseases		
As the below named in	ventor, I h	ereby declare that:
This declaration is directed to:		The attached application, or
	X	The United States application or PCT international application number PCT/EP2014/063467 filed on 26 June 2014

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.

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

Janssen Pharmaceutica NV, Turnhoutseweg 30, 2340 Beerse, Belgium

A corporation of the state or country of Belgium

(hereinafter designated as the "Assignee"), my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, including Canada, 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 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 them had this assignment and sale not been made.

I agree to execute all papers necessary in connection with the Application in the United States, Patent Cooperative Treaty, European Patent Office and any other foreign countries 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.

I agree to execute all papers necessary in connection with any litigation or any other administrative or judicial proceeding in the United States, Patent Cooperative Treaty, European Patent Office and any other foreign countries 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 and 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 agree to 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.

Page 1 of 2

	Attorney Docket No.: TIP0300USPCT Serial No.:
	THIS DOCUMENT IS BEING SUBMITTED FOR A DUAL PURPOSE
	DECLARATION AND ASSIGNMENT — PATENT APPLICATION
Title of In diseases	vention: Pyrrolo[3,2-d]pyrimidine derivatives for the treatment of viral infections and other
to Assignee such inventi	gree to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent or its nominees, in the United States, European Patent Office and in all other countries where Assignee may desire to have one or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.
from the Ap	ereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting plication or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to signee, and (ii) as Assignee of the entire interest, and hereby covenant that I have full right to convey the interest herein d that I have not executed, and will not execute, any agreement in conflict herewith.
I he desirable in	creby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or order to obtain legal recordation of this document.
EMBRECH	ITS, Werner
LEGAL NA	ME OF INVENTOR
	<u>21/07/2014</u> Date
Signature	Date
	ACKNOWLEDGMENT
ST	ATE OF
	SS:
1	
Acl	knowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notaral-Seal
OR	
X I he	ereby acknowledge that I have also assigned the above-adentified invention by General Assignment (attached hereto) which is eby conformed for recordation in the US Patent Office.
X Att	ached hereto is a Notarization.
Th ger	e above signature(s) has been seen by us, Notary for Coppens at Vosselaar (Belgium), and we certify it to be nuinely the signature(s) of Werner Embrechts.
	Notary Public

Page 2 of 2

General Assignment

WHEREAS, EMBRECHTS, Werner, citizen of Belgium, residing at Bremstraat 7, 2340 Beerse, Belgium (hereinafter referred to as "Assignor"), was employee of Janssen Pharmaceutica NV at the time the invention "Pyrrolo[3,2-d]pyrimidine derivatives for the treatment of viral infections and other diseases" (hereinafter referred to as "Invention") was made. The Assignor is co-inventor of that Invention,

for which on 27th day of June 2013, European Patent Application no. EP13174108.4 was filed at the European Patent Office.

WHEREAS, the conditions under which said Invention was made are such that as defined in the contract as an employee of Janssen Pharmaceutica NV the Assignor automatically entitles Janssen Pharmaceutica NV having its place of business at Turnhoutseweg 30, 2340 Beerse, Belgium (hereinafter referred to as "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.

The Assignor covenants that the Assignor has the full right and obligation to convey the interest assigned by this Assignment, and the Assignor has not executed and will not execute any agreement in conflict with this Assignment.

The Assignor further agrees 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. The Assignor acknowledges 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.

The Assignor agrees that this general assignment is effective from the 27th day of June 2013.

IN TESTIMONY WHEREOF, the Assignor and Assignee set hereunto their hand and seal this date.

Janssen Pharmaceutica NV

PATENT REEL: 037453 FRAME: 0103

RECORDED: 01/11/2016

EMBRECHTS, Werner