503660834 01/22/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3707468

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KOEN VANDYCK	07/25/2013
BART RUDOLF ROMANIE KESTELEYN	07/25/2013
WIM GASTON VERSCHUEREN	07/25/2013
PIERRE JEAN-MARIE BERNARD RABOISSON	07/25/2013

RECEIVING PARTY DATA

Name:	JANSSEN INFECTIOUS DISEASES BVBA	
Street Address:	TURNHOUTSEWEG 30	
City:	BEERSE	
State/Country:	BELGIUM	
Postal Code:	2340	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14907109

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.comCorrespondent Name:BERNARD F. PLANTZAddress Line 1:JOHNSON & JOHNSON

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

ATTORNEY DOCKET NUMBER:	TIP0302USPCT
NAME OF SUBMITTER:	MARGARET TURNER, PATENT PARALGAL
SIGNATURE:	/Margaret Turner/
DATE SIGNED:	01/22/2016

Total Attachments: 12

source=Assign-Invs_to_JID#page1.tif source=Assign-Invs_to_JID#page2.tif

PATENT 503660834 REEL: 037560 FRAME: 0061



Attorney Docket No.: TIP0302USPC Serial No.:
THIS DOCUMENT IS BEING SUBMITTED FOR A DUAL PURPOSE

Title of Invention: Glyoxamide substituted pyrrolamide derivatives and the use thereof as medicaments f	for
the treatment of Hepatitis B	

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/EP2014/066093 filed on 25 July 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 Infectious Diseases BVBA, 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.

	Attorney Docket No.: TIP0302USPCT Serial No.:		
	THIS DOCUMENT IS BEING SUBMITTED FOR A DUAL PURPOSE		
	DECLARATION AND ASSIGNMENT — PATENT APPLICATION		
	of Invention: Glyoxamide substituted pyrrolamide derivatives and the use thereof as medicaments for eatment of Hepatitis B		
such inv	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 gnee or its nominees, in the United States, European Patent Office and in all other countries where Assignee may desire to have ventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.		
the said	I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting e Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) as Assignee of the entire interest, and hereby covenant that I have full right to convey the interest herein d, and that I have not executed, and will not execute, any agreement in conflict herewith.		
desirabl	I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or le in order to obtain legal recordation of this document.		
VANDYCK, Koen LEGAL NAME OF INVENTOR Signature Date			
	ACKNOWLEDGMENT		
	STATE OF SS: COUNTY OF SS:		
	Aeknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal this day 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 Good Coppens at Vosselaar (Belgium), and we certify it to be genuinely the signature(s) of Koen Vandyck.		
	Notary Public		
	Page 2 of 2		

WHEREAS, VANDYCK, Koen, citizen of Belgium, residing at Deurnestraat 74, 3583 Paal-Beringen, Belgium (hereinafter referred to as "Assignor"), was employee of Janssen Infectious Diseases BVBA at the time the invention "GLYOXAMIDE SUBSTITUTED PYRROLAMIDE DERIVATIVES AND THE USE THEREOF AS MEDICAMENTS FOR THE TREATMENT OF HEPATITIS B" (hereinafter referred to as "Invention") was made. The Assignor is co-inventor of that Invention,

for which on 25th day of July 2013, European Patent Application no. EP 13177926.6 was filed at the European Patent Office;

and for which on 4th day of June 2014, European Patent Application no. EP 14171062.4 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 Infectious Diseases BVBA the Assignor automatically entitles Janssen Infectious Diseases BVBA 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 25th day of July 2013.

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

NDYCK, Koen Janssen Infectious Diseases BVBA

ALLANDON AND ALLAN		
		Attorney Docket No.: TIP0302USPCT Serial No.:
		THIS DOCUMENT IS BEING SUBMITTED FOR A DUAL PURPOSE
DECL	ARATIC	ON AND ASSIGNMENT — PATENT APPLICATION
Title of Invention: Glyoxa the treatment of Hepatitis		ostituted pyrrolamide derivatives and the use thereof as medicaments for
As the below named inv	entor, I her	eby declare that:
This declaration is directed to:		The attached application, or
	X	The United States application or PCT international application number PCT/EP2014/066093 filed on 25 July 2014
The above-identified application	("Applicati	ion") was made or authorized by me.
I believe that I am the original in	ventor or ar	n original inventor of a claimed invention or discovery in the Application.
I have reviewed and understood to which is material to patentabili Application in the United States of	ty as defin	s of the Application, including the claims, and I acknowledge the duty to disclose information ned in Title 37, the United States Code of Federal Regulations, §1.56 for filings of this.
I hereby acknowledge that any imprisonment of not more than fi	willful falve (5) year	lse statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or s, or both for filings of this Application in the United States of America.
For good and valuable and/or have sold, assigned, transf	consideration	on, the sufficiency of which is acknowledged, I hereby sell, assign, transfer and set over to et over to:
Jans	sen Infecti	ous Diseases BVBA, Turnhoutseweg 30, 2340 Beerse, Belgium
		A corporation of the state or country of Belgium
for other countries arising therefi European Patent Office and of al them, all such inventions or disco thereof, and to all Letters Patent protection certificates, reexamina	om, all involveries and that may tions, renewas for which	my entire right, title, and interest in, to, and under the Application, including all priority rights ventions or discoveries therein disclosed, and any and all Letters Patent of the United States, ntries, including Canada, which may be granted for such inventions or discoveries, or any of all rights in such Application including any and all substitutions, divisions, and continuations be granted for said inventions and discoveries, and in and to all extensions, supplementary wals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment h such Letters Patent may be granted, as fully and entirely as the same would have been held d sale not been made.
European Patent Office and any of any of such applications, and a	ther foreig	essary in connection with the Application in the United States, Patent Cooperative Treaty, in countries and any continuing, divisional, or reissue applications thereof, any reexamination term extensions or supplementary protection certificates of any such applications and also to with such applications as the Assignee may deem necessary or expedient.
United States, Patent Cooperative	Treaty, E	ary in connection with any litigation or any other administrative or judicial proceeding in the uropean Patent Office and any other foreign countries concerning the Application(s) or any ions thereof, or any reexamination of any such applications, or any Letters Patent issued

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.

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.

THIS DOCUMENT IS BEING SUBMITTED FOR A DUAL PURPOSE DECLARATION AND ASSIGNMENT — PATENT APPLICATION Title of Invention: Glyoxamide substituted pyrrolamide derivatives and the use thereof as medicaments for the treatment of Hepatitis B 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 to Assignee or its nominees, in the United States, 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 (f) 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 revenaination of any of such applications, to the said Assignee, and (ii) as Assignee of the entire interest, and hereby covenant that I have full right to convey the interest herein saspend, and that I have not exceute, and will not execute, and will not execute an execute and will not execute an execute an execute and will not execute an execute an execute an execute an e				
DECLARATION AND ASSIGNMENT — PATENT APPLICATION Title of Invention: Glyoxamide substituted pyrrolamide derivatives and the use thereof as medicaments for the treatment of Hepatitis B 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 to Assignee or its nominees, in the United States, 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 Commissioneer 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 the said Assignee, and (ii) as Assignee of the entire interest, and hereby 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. **EESTELEYN, Bart Rudolf Romanie** **LEGAL NAME OF INVESTIOR** Acknowledged before me, a Notary Public, within and for said County and State. Witness-my-hand and-Notarial Seal this				Attorney Docket No.: TIP0302USPCT Serial No.:
Title of Invention: Glyoxamide substituted pyrrolamide derivatives and the use thereof as medicaments for the treatment of Hepatitis B 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 to Assignee or its nominees, in the United States, 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 the said Assignee, and (ii) as Assignee of the entire interest, and hereby covenant that I have full right to convey the interest hereir 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. KESTELEYN, Bart Rudolf Romanie LEGAL NAME OF INVENTOR Acknowledged before me, a Notary Public, within and for said County and State. Witness-my hand and Notarial Seal this day 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 Bart Rudolf Romanie Kesteleyn.			THIS DOCUMEN	T IS BEING SUBMITTED FOR A DUAL PURPOSE
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 to Assignee or its nominees, in the United States, 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 hub 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 the said Assignee, and (ii) as Assignee of the entire interest, and hereby covenant that I have full right to convey the interest hereir 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. KESTELEYN, Bart Rudolf Romanie LEGAL NAME OF INVENTOR ACKNOWLEDGMENT STATE O. ACKNOWLEDGMENT STATE O. ACKNOWLEDGMENT STATE O. OR: X I hereby acknowledged before me, a Notary Public, within and for said County and State. Witness-my-hand and Notarial-Seal this day of day		DECLARAT	ON AND ASSIGNMENT — PA	ATENT APPLICATION
to Assignee or its nominees, in the United States. 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 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 the said Assignee, and (ii) as Assignee of the entire interest, and hereby covenant that I have full right to convey the interest hereir 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. KESTELEYN, Bart Rudolf Romanie LEGAL NAME OF INVENTOR Acknowledged before me, a Notary Public, within and for said County and State—Witness-my-hand and Notarial-Seal this			ıbstituted pyrrolamide derivativ	res and the use thereof as medicaments for
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Signature Date ACKNOWLEDGMENT	the said	e Application or any divisional, c Assignee, and (ii) as Assignee	ntinuation, or reissue applications thereo of the entire interest, and hereby coven:	f, and any reexamination of any of such applications, to ant that I have full right to convey the interest herein
Signature ACKNOWLEDGMENT STATE O: SS: GOUNTY OF SS: Acknowledged before me, a Notary Public, within and for said County and State. Witness-my-hand and Notarial Seal this day 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 genuinely the signature(s) of Bart Rudolf Romanie Kesteleyn. Coppens at Vosselaar (Belgium), and we certify it to be genuinely the signature(s) of Bart Rudolf Romanie Kesteleyn.	desirabl	I hereby grant the attorney of ree in order to obtain legal recordate	ord the power to insert on this assignme on of this document.	nt any further identification which may be necessary or
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genuinely the signature(s) of Bart Rudolf Romanie Kesteleyn.	x	Attached hereto is a Notarization		
Notary Public		The above signature(s) has be genuinely the signature(s) of E	n seen by us, Notary Copport Rudolf Romanie Kesteleyn.	ens at Vosselaar (Belgium), and we certify it to be
Page 2 of 2				Notary Public

WHEREAS, KESTELEYN, Bart Rudolf Romanie, citizen of Belgium, residing at Weidelandstraat 18, 9290 Berlare, Belgium (hereinafter referred to as "Assignor"), was employee of Janssen Infectious Diseases BVBA at the time the invention "GLYOXAMIDE SUBSTITUTED PYRROLAMIDE DERIVATIVES AND THE USE THEREOF AS MEDICAMENTS FOR THE TREATMENT OF HEPATITIS B" (hereinafter referred to as "Invention") was made. The Assignor is co-inventor of that Invention,

for which on 25th day of July 2013, European Patent Application no. EP 13177926.6 was filed at the European Patent Office;

and for which on 4th day of June 2014, European Patent Application no. EP 14171062.4 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 Infectious Diseases BVBA the Assignor automatically entitles Janssen Infectious Diseases BVBA 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 25th day of July 2013.

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

KESTELEYN, Bart Rudolf Romanie

Janssen Infectious Diseases BVBA

Attorney Docket No.: TIP0302USPCT
 THE BOOK WENT IS BEING OF THE METERS TO BE A THE STATE OF
THIS DOCUMENT IS BEING SUBMITTED FOR A DUAL PURPOSE

Title of Invention: Glyoxamide substituted pyrrolamide	e derivatives and the use thereof as medicaments for
the treatment of Hepatitis B	

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/EP2014/066093 filed on 25 July 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 Infectious Diseases BVBA, 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.

Title of Invention: Glyoxamide substituted pyrrolamide derivatives and the use thereof as medicaments for the treatment of Hepatitis B

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 to Assignee or its nominees, in the United States, 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 the said Assignee, and (ii) as Assignee of the entire interest, and hereby 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.

desirae	io in order to obtain logal recordation of			
	CHUEREN, Wim Gaston			
LEGA	L NAME OF INVENTOR		11-08-2014	
Signati	ire de la companya de		Date	
	and the second second			
		ACKNOWLE	DGMENT	
	STATE OF			
	}	SS:		
	COUNTY OF			
	Acknowledged before me, a Notary Pu	iblic, 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 Wim Gaston Verschueren.			
	(8) Season		Notary Public	
		Page 2 o	of 2	

WHEREAS, VERSCHUEREN, Wim Gaston, citizen of Belgium, residing at De Wittestraat 5, 2600 Berchem, Belgium (hereinafter referred to as "Assignor"), was employee of Janssen Infectious Diseases BVBA at the time the invention "GLYOXAMIDE SUBSTITUTED PYRROLAMIDE DERIVATIVES AND THE USE THEREOF AS MEDICAMENTS FOR THE TREATMENT OF HEPATITIS B" (hereinafter referred to as "Invention") was made. The Assignor is co-inventor of that Invention,

for which on 25^{th} day of July 2013, European Patent Application no. EP 13177926.6 was filed at the European Patent Office;

and for which on 4th day of June 2014, European Patent Application no. EP 14171062.4 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 Infectious Diseases BVBA the Assignor automatically entitles Janssen Infectious Diseases BVBA 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 25th day of July 2013.

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

VERSCHUEREN, Wim Gaston

Janssen Infectious Diseases BVBA

Attorney Docket No.: TIP0302USPCT Serial No.:
THIS DOCUMENT IS BEING SUBMITTED FOR A DUAL PURPOSE

Fitle of Invention: Glyoxamide substituted pyrrolamide derivatives and the use thereof as medicaments fo	r
he treatment of Hepatitis B	

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/EP2014/066093 filed on 25 July 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.

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Janssen Infectious Diseases BVBA, 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.

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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.

	Attorney Docket No.: TIP0302USPCT Serial No.:	
	THIS DOCUMENT IS BEING SUBMITTED FOR A DUAL PURPOSE	
DECLARATION AND AS	SIGNMENT — PATENT APPLICATION	
Title of Invention: Glyoxamide substituted pyrthe treatment of Hepatitis B	rrolamide derivatives and the use thereof as medicaments for	
to Assignee or its nominees, in the United States, Europe such inventions or discoveries, or any of them, patented,	of Assignee, may be necessary or desirable to secure the grant of Letters Patent can Patent Office and in all other countries where Assignee may desire to have with specifications and claims in such form as shall be approved by Assignee I and complete legal and equitable title to all such Letters Patent.	
from the Application or any divisional, continuation, or rei	oner of Patents to issue any and all Letters Patent of the United States resulting issue applications thereof, and any reexamination of any of such applications, to crest, and hereby covenant that I have full right to convey the interest herein e, any agreement in conflict herewith.	
I hereby grant the attorney of record the power to desirable in order to obtain legal recordation of this docum	insert on this assignment any further identification which may be necessary or lent.	
RABOISSON, Pierre Jean-Marie Bernard LEGAL NAME OF INVENTOR		
Signature	Date 28 August 2014	
A	CKNOWLEDGMENT	
STATE OF SS:		
Acknowledged before me, a Notary Public, within this day of	n and for said Cousty and State. Witness my hand and Notarial Seal	
OR:		
X I hereby acknowledge that I have also assigned the hereby conformed for recordation in the US Pater	ne above-identified invention by General Assignment (attached hereto) which is nt 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 Pierre Jean-Marie Bernard Raboisson.		
15 G008000		
(8/m 18 m)2)	Notary Public	

Page 2 of 2

WHEREAS, RABOISSON, Pierre Jean-Marie Bernard, citizen of France, residing at Rue Jolie 3, 1331 Rosieres, Belgium (hereinafter referred to as "Assignor"), was employee of Janssen Infectious Diseases BVBA at the time the invention "GLYOXAMIDE SUBSTITUTED PYRROLAMIDE DERIVATIVES AND THE USE THEREOF AS MEDICAMENTS FOR THE TREATMENT OF HEPATITIS B" (hereinafter referred to as "Invention") was made. The Assignor is co-inventor of that Invention,

for which on 25th day of July 2013, European Patent Application no. EP 13177926.6 was filed at the European Patent Office;

and for which on 4th day of June 2014, European Patent Application no. EP 14171062.4 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 Infectious Diseases BVBA the Assignor automatically entitles Janssen Infectious Diseases BVBA 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.

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The Assignor agrees that this general assignment is effective from the 25th day of July 2013.

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

RABOISSON, Pierre Jean-Marie Bernard

Janssen Infectious Diseases BVBA

PATENT REEL: 037560 FRAME: 0074

RECORDED: 01/22/2016