504285325 03/22/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4332006

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
SEQUENCE:	1

CONVEYING PARTY DATA

Name	Execution Date
JEAN-FRANCOIS BONFANTI	05/09/2014
JEROME MICHEL CLAUDE FORTIN	05/09/2014
PHILIPPE MULLER	05/09/2014
FREDERIC MARC MAURICE DOUBLET	05/09/2014
ERIC PIERRE ALEXANDRE ARNOULT	05/09/2014

RECEIVING PARTY DATA

Name:	JANSSEN-CILAG FRANCE	
Street Address:	1 RUE CAMILLE DEMOULINS	
Internal Address:	TSA 91003	
City:	ISSY-LES MOULINEAUX CEDEX 9	
State/Country:	FRANCE	
Postal Code:	92787	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14781291

CORRESPONDENCE DATA

Fax Number: (510)248-2366

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: 510-248-2326

Email:crubalca@its.jnj.comCorrespondent Name:JOSEPH F. SHIRTZAddress Line 1:JOHNSON & JOHNSON

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

ATTORNEY DOCKET NUMBER:	TIP0293USPCT
NAME OF SUBMITTER:	CANDIDA RUBALCABA-RIVERA
SIGNATURE:	/Candida Rubalcaba-Rivera/
DATE SIGNED:	03/22/2017

504285325 PATENT REEL: 041689 FRAME: 0098

Total Attachments: 10 source=TIP0293USPCT ASMT Inventors to Janssen Cilag#page1.tif source=TIP0293USPCT ASMT Inventors to Janssen Cilag#page2.tif source=TIP0293USPCT ASMT Inventors to Janssen Cilag#page3.tif source=TIP0293USPCT ASMT Inventors to Janssen Cilag#page4.tif source=TIP0293USPCT ASMT Inventors to Janssen Cilag#page5.tif source=TIP0293USPCT ASMT Inventors to Janssen Cilag#page6.tif source=TIP0293USPCT ASMT Inventors to Janssen Cilag#page7.tif source=TIP0293USPCT ASMT Inventors to Janssen Cilag#page8.tif source=TIP0293USPCT ASMT Inventors to Janssen Cilag#page8.tif

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PATENT REEL: 041689 FRAME: 0099

Title of Invention: Macrocyclic deaza-purinones for the treatment of viral infections 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/EP2014/056270 filed on 28 March 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-Cilag France, 1 rue Camille Desmoulins, TSA 91003, 92787 Issy-les Moulineaux Cedex 9, France

A corporation of the state or country of France

(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.

		A STATE OF THE PROPERTY OF THE
		Attorney Docket No.: TIP0293USPCT Serial No.:
	Г	THIS DOCUMENT IS BEING SUBMITTED FOR A DUAL PURPOSE
	DECLARATION AND ASS	SIGNMENT — PATENT APPLICATION
Title o	of Invention: Macrocyclic deaza-purinone	es for the treatment of viral infections
such in	gnee or its nominees, in the United States, Europea ventions or discoveries, or any of them, patented, v	f Assignee, may be necessary or desirable to secure the grant of Letters Patent an 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 and complete legal and equitable title to all such Letters Patent.
the said	e Application or any divisional, continuation, or reis	ner 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 rest, and hereby covenant that I have full right to convey the interest herein, any agreement in conflict herewith.
desirab	I hereby grant the attorney of record the power to le in order to obtain legal recordation of this docume	insert on this assignment any further identification which may be necessary or ent.
	ANTI, Jean-François L NAME OF INVENTOR	O 9 MAY 2016
Signati	Hedd I	Date
	AC	CKNOWLEDGMENT
	STATE OF	
	COUNTY O	
		and for said-County 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 Paten	e above-identified invention by General Assignment (attached hereto) which is at Office.
x	Attached hereto is a Notarization.	
	The above signature(s) has been seen by us, Not genuinely the signature(s) of Jean-François Bon	
		Notary Public

	Attorney Docket No.: TIP0293USPCT Serial No.:	
	THIS DOCUMENT IS BEING SUBMITTED FOR A DUAL PURPOSE	
DECLARATION AND ASS	SIGNMENT — PATENT APPLICATION	
Title of Invention: Macrocyclic deaza-purinone	s for the treatment of viral infections	
As the below named inventor, I hereby declare that	s.	
This declaration is directed to: The attached a	oplication, or	
X The United Sta filed on 28 Ma	tes application or PCT international application number PCT/EP2014/056270 rch 2014	
The above-identified application ("Application") was made	or authorized by me.	
I believe that I am the original inventor or an original invent	or of a claimed invention or discovery in the Application.	
	tion, including the claims, and I acknowledge the duty to disclose information, the United States Code of Federal Regulations, §1.56 for filings of this	
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 sufficient and/or have sold, assigned, transferred and set over to:	ncy of which is acknowledged, I hereby sell, assign, transfer and set over to	
Janssen-Cilag France, 1 rue Camille Desmo	ulins, TSA 91003, 92787 Issy-les Moulineaux Cedex 9, France	
A corporation	of the state or country of France	
(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 per of the International Convention for Protection of Industrial F	form any act which may be necessary in connection with claims or provisions roperty or similar agreements.	

		Attorney Docket No.: TIP0293USPCT Serial No.:
		THIS DOCUMENT IS BEING SUBMITTED FOR A DUAL PURPOSE
	DECLARATION AND AS	SSIGNMENT — PATENT APPLICATION
Title o	of Invention: Macrocyclic deaza-purinor	nes for the treatment of viral infections
from the said assigne	gnee or its nominees, in the United States, Europe ventions or discoveries, or any of them, patented, west and confirm in Assignee or its nominees the full I hereby (i) authorize and request the Commission example Application or any divisional, continuation, or red Assignee, and (ii) as Assignee of the entire intend, and that I have not executed, and will not executed.	o insert on this assignment any further identification which may be necessary or
	IN, Jérôme Michel Claude	
LEGAI	L NAME OF INVENTOR	0 9 MAY 2014
Signatu	ire	Date
	STATE OP SS:	ACKNOWLEDGMENT
	COUNTY OF	
	Acknowledged before me; a-Notary-Public, within day of	n-and-for-said County 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 Pate	ne above-identified invention by General Assignment (attached hereto) which is ent Office.
x	Attached hereto is a Notarization.	
	The above signature(s) has been seen by us, No genuinely the signature(s) of Jérôme Michel C	

*	Attorney Docket No.: TIP0293USPCT Serial No.:
	THIS DOCUMENT IS BEING SUBMITTED FOR A DUAL PURPOSE
DECLADATION AND ACC	CICNIMENIT DATENITADDI ICATIONI

Title of Invention: Macrocyclic deaza-purinones for the treatment of viral infections		
As the below named inv	entor, I he	reby declare that:
This declaration is directed to:		The attached application, or
	Х	The United States application or PCT international application number PCT/EP2014/056270 filed on 28 March 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-Cilag France, 1 rue Camille Desmoulins, TSA 91003, 92787 Issy-les Moulineaux Cedex 9, France

A corporation of the state or country of France

(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.

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

		Attorney Docket No.: TIP0293USPCT Serial No.:
		THIS DOCUMENT IS BEING SUBMITTED FOR A DUAL PURPOSE
	DECLARATION AND ASS	SIGNMENT — PATENT APPLICATION
Title	of Invention: Macrocyclic deaza-purinone	s for the treatment of viral infections
such in	ventions or discoveries, or any of them, patented, w	n 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 and complete legal and equitable title to all such Letters Patent.
the said	e Application or any divisional, continuation, or reiss	er of Patents to issue any and all Letters Patent of the United States resulting sue applications thereof, and any reexamination of any of such applications, to est, and hereby covenant that I have full right to convey the interest herein any agreement in conflict herewith.
desirab	I hereby grant the attorney of record the power to it in order to obtain legal recordation of this document	insert on this assignment any further identification which may be necessary or nt.
	ER, Philippe L NAME OF INVENTOR	— 0 9 MAY 2014
Signatu	ire T	Date
	AC	KNOWLEDGMENT
	STATE OF	
	COUNTY OF SS:	
	Aeknowledged before-me, a Notary Public, within a	and for said County and StateWitness-my-hand-and Notarial-Seal
	OR:	
X	I hereby acknowledge that I have also assigned the hereby conformed for recordation in the US Patent	above-identified invention by General Assignment (attached hereto) which is Office.
X	Attached hereto is a Notarization.	
	The above signature(s) has been seen by us, Nota genuinely the signature(s) of Philippe Muller.	Coppens at Vosselaar (Belgium), and we certify it to be
		Notary Public

	Attorney Docket No.: TIP0293USPCT Serial No.:
*	THIS DOCUMENT IS BEING SUBMITTED FOR A DUAL PURPOSE

As the below named inventor, I hereby declare that:			
	x	The United States application or PCT interfiled on 28 March 2014	national application number PCT/EP2014/056270

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A corporation of the state or country of France

(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.

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Title	of Invention: Macrocyclic deaza-puri	inones for the treatment of viral infections
such	signee or its nominees, in the United States, Exinventions or discoveries, or any of them, pater o vest and confirm in Assignee or its nominees the	nion of Assignee, may be necessary or desirable to secure the grant of Letters Patent uropean Patent Office and in all other countries where Assignee may desire to have nted, with specifications and claims in such form as shall be approved by Assignee the full and complete legal and equitable title to all such Letters Patent. Institute of Patents to issue any and all Letters Patent of the United States resulting
the sa		or reissue applications thereof, and any reexamination of any of such applications, to e interest, and hereby covenant that I have full right to convey the interest herein secute, any agreement in conflict herewith.
desira	I hereby grant the attorney of record the powable in order to obtain legal recordation of this do	ver to insert on this assignment any further identification which may be necessary or ocument.
DOU	BLET, Frédéric Marc Maurice AL NAME OF INVENTOR	
LEG.		0 9 MAY 2014
Signa	ture -	Date
		ACKNOWLEDGMENT
	STATE-OF	
	GOUNTY-OF	SS:
	Acknowledged before mera Notary Public-	within and for said County and StateWitness my hand and Notarial Seal
	this day of	
	OR:	
X	I hereby acknowledge that I have also assign hereby conformed for recordation in the US	ted the above-identified invention by General Assignment (attached hereto) which is \hat{P} atent Office.
X	Attached hereto is a Notarization.	
	The above signature(s) has been seen by us genuinely the signature(s) of Frédéric Mar	
		Notary Public

Attorney Docket No.: TIP0293USPC7 Serial No.:
THIS DOCUMENT IS BEING SUBMITTED FOR A DUAL PURPOSE

Title of Invention: Macrocyclic deaza-purinones for the treatment of viral infections As the below named inventor, I hereby declare that:		
	X	The United States application or PCT international application number PCT/EP2014/056270 filed on 28 March 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.

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A corporation of the state or country of France

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Attorney Docket No.: TIP0293USPCT Serial No.:
THIS DOCUMENT IS BEING SUBMITTED FOR A DUAL PURPOSE

Title of Invention: Macrocyclic deaza-purinones for the treatment of viral infections

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 yest 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.

	ULT, Eric Pierre Alexandre	
	L NAME OF INVENTOR	May, 9, 2014
	ACKNOWLE	DGMENT
	STATE 0 SS:	
	Acknowledged before me, a Notary Public, within and for said this day of	
X	I hereby acknowledge that I have also assigned the above-iden hereby conformed for recordation in the US Patent Office.	tified invention by General Assignment (attached hereto) which is
X	Attached hereto is a Notarization.	
	The above signature(s) has been seen by us, Notary genuinely the signature(s) of Eric Pierre Alexandre Arnoul	Coppens at Vosselaar (Belgium), and we certify it to be it.
		Notary Public
	Page 2	of 2

PATENT REEL: 041689 FRAME: 0109