507314007 06/01/2022

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7360930

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RAJKUMAR GANESAN	01/04/2022
ADAM ZWOLAK	01/04/2022
IAN WHITE	01/04/2022
NINKKA TAMOT	01/05/2022
PAUL B. HARVILLA	01/04/2022
SANJAYA SINGH	12/02/2021
MARTIN JACK BORROK III	03/11/2022

RECEIVING PARTY DATA

Name:	JANSSEN RESEARCH & DEVELOPMENT, LLC
Street Address:	920 US ROUTE 202
Internal Address:	P.O. BOX 300
City:	RARITAN
State/Country:	NEW JERSEY
Postal Code:	08869

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	17391744	

CORRESPONDENCE DATA

Fax Number: (650)739-3900

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: 6507393939

Email: DebbieWu@JonesDay.com, WTokmakidis@JonesDay.com

Correspondent Name: JONES DAY

Address Line 1: 250 VESEY STREET

Address Line 4: NEW YORK, NEW YORK 10281-1047

ATTORNEY DOCKET NUMBER:	14620-385-999
NAME OF SUBMITTER:	DEBBIE WU
SIGNATURE:	/Debbie Wu/

PATENT 7 REEL: 060077 FRAME: 0697

507314007

DATE SIGNED: 06/01/2022

Total Attachments: 14

source=14620-385-999 EXECUTED Combined Decl and Assignment (Inventors to JRD)#page1.tif source=14620-385-999 EXECUTED Combined Decl and Assignment (Inventors to JRD)#page2.tif source=14620-385-999 EXECUTED Combined Decl and Assignment (Inventors to JRD)#page3.tif source=14620-385-999 EXECUTED Combined Decl and Assignment (Inventors to JRD)#page4.tif source=14620-385-999 EXECUTED Combined Decl and Assignment (Inventors to JRD)#page5.tif source=14620-385-999 EXECUTED Combined Decl and Assignment (Inventors to JRD)#page7.tif source=14620-385-999 EXECUTED Combined Decl and Assignment (Inventors to JRD)#page7.tif source=14620-385-999 EXECUTED Combined Decl and Assignment (Inventors to JRD)#page8.tif source=14620-385-999 EXECUTED Combined Decl and Assignment (Inventors to JRD)#page10.tif source=14620-385-999 EXECUTED Combined Decl and Assignment (Inventors to JRD)#page10.tif source=14620-385-999 EXECUTED Combined Decl and Assignment (Inventors to JRD)#page11.tif source=14620-385-999 EXECUTED Combined Decl and Assignment (Inventors to JRD)#page12.tif source=14620-385-999 EXECUTED Combined Decl and Assignment (Inventors to JRD)#page12.tif source=14620-385-999 EXECUTED Combined Decl and Assignment (Inventors to JRD)#page13.tif source=14620-385-999 EXECUTED Combined Decl and Assignment (Inventors to JRD)#page13.tif source=14620-385-999 EXECUTED Combined Decl and Assignment (Inventors to JRD)#page13.tif

itle of Invention : MATERIALS AND METHODS FOR MULTIDIRECTIONAL BIOTRANSPORTATION IN IROTHERAPEUTICS
his declaration and assignment is directed to:
The attached or filed herewith application of (list of named inventors),
or
The United States application or PCT international application number 17/391,744 filed on August 2, 2021.
eclaration
As the below named inventor, I hereby declare that:
The above-identified application ("Application") was made or authorized by me.
I believe that I am the original inventor or an original inventor of a claimed invention or discovery in the Application.
I have reviewed and understood the contents of the Application, including the claims, and I acknowledge the duty to disclos formation which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of thi pplication 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 of apprisonment of not more than five (5) years, or both for filings of this Application in the United States of America.
ssignment Janssen Research & Development, LLC
920 US Route 202
P.O. Box 300
Raritan, NJ 08869 United States of America
A corporation of the state or country of New Jersey
(hereinafter designated as the "Assignee"),
I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assigne hich is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:
•
For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned transferred to Assignee, such assignment being made effective as of August 2, 2021:
y entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the ght to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States purpose and Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such ventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuation ereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplementary otection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment 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 enjoyed by me had this assignment and sale not been made.
shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Pater ffice, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereony 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 of the such applications.

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expedient.

NAI-1520863934v1

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

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

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

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

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Ka/	Kumar Ganesan nor Genesan (Joh 4, 2022 08.42 081)	Jan 4, 2022	
ature	Rajkumar GANESAN	Date	

2

NAI-1520863934v1

Title of Invention: MATERIALS AND METHODS FOR MULTIDIRECTIONAL BIOTRANSPORTATION I VIROTHERAPEUTICS
This declaration and assignment is directed to: The attached or filed herewith application of (list of named inventors)
or
The United States application or PCT international application number <u>17/391,744</u> filed on <u>August 2, 2021</u> .
Declaration
As the below named inventor, I hereby declare that:
The above-identified application ("Application") was made or authorized by me.
I believe that I am the original inventor or an original inventor of a claimed invention or discovery in the Application.
I have reviewed and understood the contents of the Application, including the claims, and I acknowledge the duty to disclo information which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of the 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 imprisonment of not more than five (5) years, or both for filings of this Application in the United States of America.
Assignment
Janssen Research & Development, LLC 920 US Route 202 P.O. Box 300 Raritan, NJ 08869 United States of America A corporation of the state or country of New Jersey (hereinafter designated as the "Assignee"),
I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assigned which is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:
or
For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee, such assignment being made effective as of August 2, 2021:
my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United State European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuation thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplemental 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 he and enjoyed by me had this assignment and sale not been made.
I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Pate Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications there 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

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expedient.

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

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

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

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

Adam Zwolak	,	Jan 4, 2022	
ture Adam ZWOLAK	1	Date	

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PATENT REEL: 060077 FRAME: 0702

NAI-1520863929v1

VIROTHERAPEUTICS	LS AN	WETHOUS FOR WICEHDIRECTIONAL BIOTRANSFORTATION IN
This declaration and assignment is directed	to:	
		The attached or filed herewith application of (list of named inventors),
	or	
	\boxtimes	The United States application or PCT international application number 17/391,744 filed on August 2, 2021.
Declaration		
As the below named inventor, I he	reby decl	lare that:
The above-identified application ('Applicat	tion") was made or authorized by me.
I believe that I am the original inve	entor or a	an original inventor of a claimed invention or discovery in the Application.
	ty as defi	nts of the Application, including the claims, and I acknowledge the duty to disclose ned in Title 37, the United States Code of Federal Regulations, §1.56 for filings of this
		e statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or h for filings of this Application in the United States of America.
Assignment		
	Jans	ssen Research & Development, LLC 920 US Route 202
		P.O. Box 300
		Raritan, NJ 08869 United States of America
	A corpor	ration of the state or country of New Jersey
	-	einafter designated as the "Assignee"),
		the above-identified invention by previous assignment (attached hereto) to Assignee Patent Office and I confirm I have and do assign and transfer:
or		
For good and valuable consideration and transferred to Assignee, such assignment		fficiency of which is acknowledged, I hereby assign and transfer and/or have assigned made effective as of August 2, 2021:
right to claim priority to the Application, all European Patent Office and of all other co- inventions or discoveries and all rights in s thereof, and to all Letters Patent that may protection certificates, reexaminations, rene	l invention invention ountries, uch App be grant wals, and ch such L	e Application, including all priority rights for other countries arising therefrom and the ons or discoveries therein disclosed, and any and all Letters Patent of the United States, which may be granted for such inventions or discoveries, or any of them, all such lication including any and all provisionals, substitutions, divisions, and continuations ted for said inventions and discoveries, and in and to all extensions, supplementary d reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment Letters Patent may be granted, as fully and entirely as the same would have been held been made.
Office, any other patent offices, and under any reexamination of any of such applica	the Pater tions, an	th the Application in the United States Patent and Trademark Office, European Patent at Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, and any patent term extensions or supplementary protection certificates of any such cents in connection with such applications as the Assignee may deem necessary or

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expedient.

NAI-1520863925v1

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

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

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

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

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

) Jan W	Lan White	/	Jan 4, 2022	
Signature	Ian WHITE	<u> </u>	Date	

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NAI-1520863925v1

LEGAL NAME OF INVENTOR

VIROTHERAPEUTICS This declaration and assignment is directed to:	The attached or filed herewith application of (list of named inventors)
or	, , , , , , , , , , , , , , , , , , , ,
	The United States application or PCT international application number 17/391,744 filed on August 2, 2021.
Declaration	
As the below named inventor, I hereby dec	clare that:
The above-identified application ("Application"	ntion") 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.
	ents of the Application, including the claims, and I acknowledge the duty to disclose fined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of this
	se statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or th for filings of this Application in the United States of America.
A corpo	ssen Research & Development, LLC 920 US Route 202 P.O. Box 300 Raritan, NJ 08869 United States of America stration of the state or country of New Jersey reinafter designated as the "Assignee"),
	d the above-identified invention by previous assignment (attached hereto) to Assignee S Patent Office and I confirm I have and do assign and transfer:
or	
For good and valuable consideration, the stand transferred to Assignee, such assignment being	ufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned made effective as of August 2, 2021:
right to claim priority to the Application, all inventi- European Patent Office and of all other countries, inventions or discoveries and all rights in such Appl thereof, and to all Letters Patent that may be gran protection certificates, reexaminations, renewals, an	ne Application, including all priority rights for other countries arising therefrom and the ons or discoveries therein disclosed, and any and all Letters Patent of the United States, which may be granted for such inventions or discoveries, or any of them, all such plication including any and all provisionals, substitutions, divisions, and continuations atted for said inventions and discoveries, and in and to all extensions, supplementary and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment Letters Patent may be granted, as fully and entirely as the same would have been held at been made.
Office, any other patent offices, and under the Pate any reexamination of any of such applications, a	with the Application in the United States Patent and Trademark Office, European Patent ent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, and any patent term extensions or supplementary protection certificates of any such ments in connection with such applications as the Assignee may deem necessary or

1

expedient.

NAI-1520863924v1

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

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

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

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

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

Niukka Taluat Minda Tama (dan 8, 2022 16 69 EST)		/	Jan 5, 2022	
Signature	Ninkka TAMOT	<i>,</i>	Date	

2

NAI-1520863924v1

LEGAL NAME OF INVENTOR

TITLE OF INVENTION : MATERIALS AND METHODS FOR MULTIDIRECTIONAL BIOTRANSPORTATION IN VIROTHERAPEUTICS
This declaration and assignment is directed to:
The attached or filed herewith application of (list of named inventors)
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The United States application or PCT international application number 17/391,744 filed on August 2, 2021.
Declaration
As the below named inventor, I hereby declare that:
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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 aformation 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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Assignment Janssen Research & Development, LLC
920 US Route 202
P.O. Box 300
Raritan, NJ 08869 United States of America
A corporation of the state or country of New Jersey
(hereinafter designated as the "Assignee"),
I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assignee which is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:
r
For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned nd transferred to Assignee, such assignment being made effective as of August 2, 2021:
ny entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the 19th to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, curopean Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such eventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuations hereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.
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NAI-1520863936v1

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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.

Process of the second	244 B. Harwille	Jan 4, 2022
Signature	Paul B. HARVILLA	Date

2

NAI-1520863936v1

LEGAL NAME OF INVENTOR

		Attorney Docket No. 14620-385-999 (JB16357USNP1)
	COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention: VIROTHERAPEUTICS	MATERIALS AN	ID METHODS FOR MULTIDIRECTIONAL BIOTRANSPORTATION IN
This declaration and assignment	ent is directed to:	The attached or filed herewith application of (list of named inventors),
	or	
	\boxtimes	The United States application or PCT international application number 17/391,744 filed on August 2, 2021.
Declaration		
As the below named	inventor, I hereby decl	lare that:
The above-identified	(application ("Applicat	tion") was made or authorized by me.
I believe that I am th	e original inventor or a	n original inventor of a claimed invention or discovery in the Application.
I have reviewed and information which is material Application in the United States	to patentability as defi	nts of the Application, including the claims, and I acknowledge the duty to disclose ned in Title 37, the United States Code of Federal Regulations, §1.56 for filings of this
I hereby acknowleds imprisonment of not more that	ge that any willful falso in five (5) years, or bot	e statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or h for filings of this Application in the United States of America.
Assignment	A corpor	920 US Route 202 P.O. Box 300 Raritan, NJ 08869 United States of America ration of the state or country of New Jersey einafter designated as the "Assignee"),
		the above-identified invention by previous assignment (attached hereto) to Assignee Patent Office and I confirm I have and do assign and transfer:
or		
		afficiency of which is acknowledged, I hereby assign and transfer and/or have assigned made effective as of August 2, 2021:
right to claim priority to the A European Patent Office and inventions or discoveries and thereof, and to all Letters Pa protection certificates, reexar	Application, all invention of all other countries, it all rights in such Applatent that may be grant minations, renewals, and terms for which such I	e Application, including all priority rights for other countries arising therefrom and the ons or discoveries therein disclosed, and any and all Letters Patent of the United States, which may be granted for such inventions or discoveries, or any of them, all such discion including any and all provisionals, substitutions, divisions, and continuations ted for said inventions and discoveries, and in and to all extensions, supplementary and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment Letters Patent may be granted, as fully and entirely as the same would have been held to been made.
Office, any other patent office any reexamination of any o	ces, and under the Pater f such applications, ar	ith the Application in the United States Patent and Trademark Office, European Patent nt Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, and any patent term extensions or supplementary protection certificates of any such ents in connection with such applications as the Assignee may deem necessary or
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NAI-1520863923v1

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

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LEGAL NAME OF INVENTOR

Signature Sanjaya SINGH Date

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The United States application or PCT international application number <u>17/391,744</u> filed on <u>August 2, 2021</u> .
Declaration
As the below named inventor, I hereby declare that:
The above-identified application ("Application") was made or authorized by me.
I believe that I am the original inventor or an original inventor of a claimed invention or discovery in the Application.
I have reviewed and understood the contents of the Application, including the claims, and I acknowledge the duty to disclo information which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of the 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 imprisonment of not more than five (5) years, or both for filings of this Application in the United States of America.
Assignment
Janssen Research & Development, LLC 920 US Route 202 P.O. Box 300 Raritan, NJ 08869 United States of America A corporation of the state or country of New Jersey (hereinafter designated as the "Assignee"),
I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assigned which is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:
or
For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee, such assignment being made effective as of August 2, 2021:
my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United State European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuation thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplemental protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyme 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 he and enjoyed by me had this assignment and sale not been made.
I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Pate Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications there 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

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expedient.

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

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

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

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

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

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Martin Jack Borrek Ada Martin Jack BORROK III Martin Jack BORROK III

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PATENT REEL: 060077 FRAME: 0712

LEGAL NAME OF INVENTOR