PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: CORRECTIVE ASSIGNMENT **NATURE OF CONVEYANCE:** Corrective Assignment to correct the APPLICATION NUMBER 14757961 THAT WAS previously recorded on Reel 039847 Frame 0110. Assignor(s) hereby confirms the ASSIGNMENT.

CONVEYING PARTY DATA

Name	Execution Date
CHARLES GOOCHEE	10/25/2013
FRANCIS C. MASLANKA	03/04/2014
JAMES R. RYLAND	10/29/2013
EUGENE SCHAEFER	01/25/2014

RECEIVING PARTY DATA

Name:	JANSSEN BIOTECH, INC.
Street Address:	800/850 RIDGEVIEW DRIVE
City:	HORSHAM
State/Country:	PENNSYLVANIA
Postal Code:	19044

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14757691

CORRESPONDENCE DATA

Fax Number: (978)341-0136

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: 978-341-0036

Email: DOREEN.FISHER@HBSR.COM

Correspondent Name: DEIRDRE E. SANDERS

Address Line 1: 530 VIRGINIA ROAD, P.O. BOX 9133

Address Line 2: HAMILTON, BROOK, SMITH & RENOLDS, P.C.

CONCORD, MASSACHUSETTS 01742 Address Line 4:

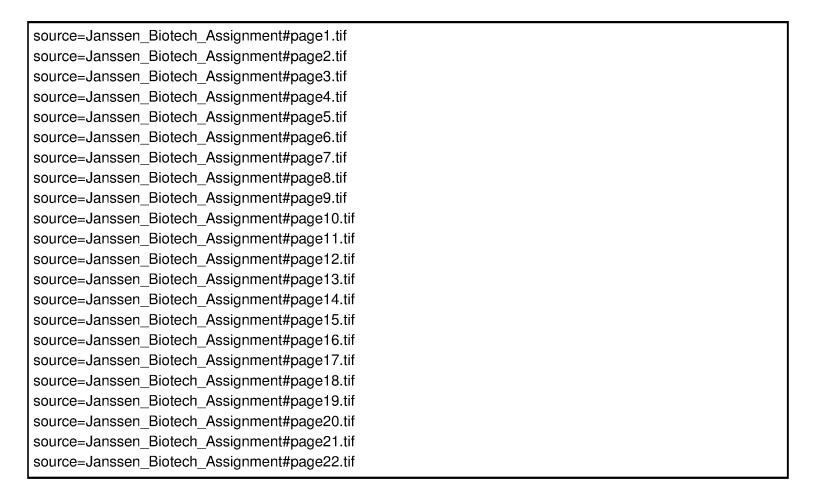
ATTORNEY DOCKET NUMBER: 0148.2007-002 NAME OF SUBMITTER: DOREEN FISHER SIGNATURE: /Doreen Fisher/ **DATE SIGNED:** 03/01/2017

Total Attachments: 22

PATENT REEL: 041845 FRAME: 0497

EPAS ID: PAT4296975

504250297



Assignment Page 1 of 2

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHARLES GOOCHEE	10/25/2013
FRANCIS C. MASLANKA	03/04/2014
JAMES R. RYLAND	10/29/2013
EUGENE SCHAEFER	01/25/2014

RECEIVING PARTY DATA

Name:	JANSSEN BIOTECH, INC.
Street Address:	800/850 RIDGEVIEW DRIVE
City:	HORSHAM
State/Country:	PENNSYLVANIA
Postal Code:	19044

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	[14757961]	

CORRESPONDENCE DATA

 Fax Number:
 (978)341-0136

 Phone:
 978-341-0036

 Email:
 kelley.farr@hbsr.com

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.

Correspondent Name: DEIRDRE E. SANDERS, ESQ.
Address Line 1: 530 VIRGINIA ROAD, P.O. BOX 9133

Address Line 2: HAMILTON, BROOK, SMITH & REYNOLDS, P.C. Address Line 4: CONCORD, MASSACHUSETTS 01742

ATTORNEY DOCKET NUMBER:	0148.2007-002	
NAME OF SUBMITTER:	KELLEY FARR	
Signature:	/Kelley Farr/	

Assignment Page 2 of 2

Date: 09/21/2016

Total Attachments: 20

source=Janssen Biotech Assignment#page1.tif source=Janssen Biotech Assignment#page2.tif source=Janssen Biotech Assignment#page3.tif source=Janssen Biotech Assignment#page4.tif source=Janssen Biotech Assignment#page5.tif source=Janssen Biotech Assignment#page6.tif source=Janssen Biotech Assignment#page7.tif source=Janssen Biotech Assignment#page8.tif source=Janssen Biotech Assignment#page9.tif source=Janssen Biotech Assignment#page10.tif source=Janssen Biotech Assignment#page11.tif source=Janssen Biotech Assignment#page12.tif source=Janssen Biotech Assignment#page13.tif source=Janssen Biotech Assignment#page14.tif source=Janssen Biotech Assignment#page15.tif source=Janssen Biotech Assignment#page16.tif source=Janssen Biotech Assignment#page17.tif source=Janssen Biotech Assignment#page18.tif source=Janssen Biotech Assignment#page19.tif source=Janssen Biotech Assignment#page20.tif

RECEIPT INFORMATION

EPAS ID: PAT4066792 **Receipt Date:** 09/23/2016

ASSIGNMENT

WHEREAS, Charles Goochee, Francis Maslanka, James Ryland and Eugene Schaefer with a place of business of 200 Great Valley Parkway, Malvern, PA 19355 (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

MANUFACTURING METHODS TO CONTROL C-TERMINAL LYSINE, GALACTOSE AND SIALIC ACID CONTENT IN RECOMBINANT PROTEINS

for which they have executed an application for Letters Patent of the United States; and

WHEREAS, JANSSEN BIOTECH, INC., a corporation of the State of PENNSYLVANIA, having a place of business at 800/850 Ridgeview Drive, Horsham, PA 19044, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar and other valuable considerations, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, 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 Assignors if this Assignment and sale had not been made;

And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

And for the consideration aforesaid, Assignors covenant and agree with said Assignee that he has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignee, its successors and assigns;

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignor has signed this Assignment on the date identified below.

Sthay of Otober 2013.
Charles Goochee (L.S.)
STATE OF PENNSYLVANIA)
) ss. COUNTY OF montgorney)
BE IT REMEMBERED, That on this 25 day of October 2013, before me,
a Notary Public, personally appeared Charles Goochee, who I am satisfied is the person named
in and who executed the foregoing instrument in my presence, and I having first made known to
them the contents thereof, they did acknowledge that they signed, sealed, and delivered the same
as their voluntary act and deed for the uses and purposes therein expressed.
Notary Public
COMMONWEALTH OF PENNSYLVANIA NOTARIAL SEAL James J Connelly, Notary Public Norristown Boro, Montgomery County My commission expires March 16, 2017

day of	TIMONY WHEREOF, Assignor has hereunto se2014.	t then hand and sear this
		(L.S.)
	Francis C. Maslanka	
STATE OF PENNSYI		
COUNTY OF) ss.)	
BE IT REMEMBERI	ED, That on this day of	2014,
oefore me, a Notary P	ıblic, personally appeared Francis C. Maslank	a, who I am satisfied is
the person named in a	nd who executed the foregoing instrument in my	presence, and I having
first made known to th	em the contents thereof, they did acknowledge t	that they signed, sealed,
and delivered the san	e as their voluntary act and deed for the use	s and purposes therein
expressed.		
	Notary Pub	

IN TESTI		P, Assignor has hereunto se	t their hand and seal thi
			(L.S.)
	Jame	s R. Ryland	
STATE OF PENNSYLV.	,		
COUNTY OF) ss.)		
BE IT REMEMBERED,	That on this	day of	2014
before me, a Notary Publ	ic, personally app	eared James R. Ryland, w	ho I am satisfied is the
person named in and who	executed the fore	going instrument in my pres	sence, and I having first
made known to them the	contents thereof,	they did acknowledge that t	hey signed, sealed, and
delivered the same as their	voluntary act and	deed for the uses and purpos	ses therein expressed.
		Notary Pub	lio

day of		or, Assignor has hereumo	set meir hand and sear this
	Euge	ne Schaefer	(L.S.)
STATE OF PENNSYLVAN			
BE IT REMEMBERED, T before me, a Notary Public,			
person named in and who exmade known to them the codelivered the same as their vo	recuted the fore	egoing instrument in my p	resence, and I having first at they signed, sealed, and
	·	Notary P	habila

ASSIGNMENT

WHEREAS, Charles Goochee, Francis Maslanka, James Ryland and Eugene Schaefer with a place of business of 200 Great Valley Parkway, Malvern, PA 19355 (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

MANUFACTURING METHODS TO CONTROL C-TERMINAL LYSINE CONTENT IN RECOMBINANT PROTEINS

for which they have executed an application for Letters Patent of the United States; and

WHEREAS, JANSSEN BIOTECH, INC., a corporation of the State of PENNSYLVANIA, having a place of business at 800/850 Ridgeview Drive, Horsham, PA 19044, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar and other valuable considerations, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, 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 Assignors if this Assignment and sale had not been made;

And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

And for the consideration aforesaid, Assignors covenant and agree with said Assignee that he has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignee, its successors and assigns;

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignor has signed this Assignment on the date identified below.

day of 2014.	EOF, Assignor has ne	reunto set their hand and seal this
		(L.S.)
Ch	arles Goochee	
STATE OF PENNSYLVANIA)) ss.		
) ss. () county of)		
BE IT REMEMBERED, That on this	day of	2014, before me,
a Notary Public, personally appeared Cha	arles Goochee, who I	am satisfied is the person named
in and who executed the foregoing instru	ment in my presence,	and I having first made known to
them the contents thereof, they did acknow	wledge that they signe	d, sealed, and delivered the same
as their voluntary act and deed for the use	s and purposes therein	expressed.
	N	otary Public

IN TESTIMONY WHEREOF, Assignor has hereunto set their hand and seal this day of March 2014.
Francis C. Maslanka (L.S.)
STATE OF PENNSYLVANIA)
COUNTY OF Chestel)
BE IT REMEMBERED, That on this day of 2014, before me, a Notary Public, personally appeared Francis C. Maslanka, who I am satisfied is
the person named in and who executed the foregoing instrument in my presence, and I having
first made known to them the contents thereof, they did acknowledge that they signed, sealed,
and delivered the same as their voluntary act and deed for the uses and purposes therein
expressed.
Mannen J. Junk Notary Public
NOTARIAL SEAL

NOTARIAL SEAL
SHANNON L FUNK
Notary Public
EAST WHITELAND TWP., CHESTER COUNTY
My Commission Expires Jun 26, 2016

day of	Y WHEREOF, Assignor has hereu 2014.	nto set their hand and seal this
	·	
		(L.S.)
	James R. Ryland	
STATE OF PENNSYLVANIA	*	
COUNTY OF) ss.)	
BE IT REMEMBERED, Tha	at on this day of	2014,
before me, a Notary Public, p	ersonally appeared James R. Ryla	nd, who I am satisfied is the
person named in and who exe	cuted the foregoing instrument in m	y presence, and I having first
made known to them the cont	ents thereof, they did acknowledge	that they signed, sealed, and
delivered the same as their vol	untary act and deed for the uses and	purposes therein expressed.
	Notai	ry Public

day of		F, Assignor has herei	into set their hand and seal	this
_			(L.S.)	
	Euger	ne Schaefer	 、	
STATE OF PENNSYLVANIA	(
COUNTY OF) ss. _)			
BE IT REMEMBERED, That	on this	day of	2	014,
before me, a Notary Public, pe	rsonally app	eared Eugene Schae	fer, who I am satisfied is	the
person named in and who execu	uted the fore	going instrument in r	ny presence, and I having	first
made known to them the conte	nts thereof, t	they did acknowledge	e that they signed, sealed,	and
delivered the same as their volume	ntary act and	deed for the uses and	purposes therein expresse	d.
			77.11	
		Note	ry Dublic	

ASSIGNMENT

WHEREAS, Charles Goochee, Francis Maslanka, James Ryland and Eugene Schaefer with a place of business of 200 Great Valley Parkway, Malvern, PA 19355 (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

MANUFACTURING METHODS TO CONTROL C-TERMINAL LYSINE, GALACTOSE AND SIALIC ACID CONTENT IN RECOMBINANT PROTEINS

for which they have executed an application for Letters Patent of the United States; and

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NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar and other valuable considerations, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, 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 Assignors if this Assignment and sale had not been made;

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IN TESTIMONY WHEREOF, Assignor has signed this Assignment on the date identified below.

IN TESTIMONY WHER day of 2013.	REOF, Assignor has here	eunto set their hand and seal thi
Cl	harles Goochee	(L.S.)
STATE OF PENNSYLVANIA)) ss. COUNTY OF)		
BE IT REMEMBERED, That on this a Notary Public, personally appeared Ch	arles Goochee, who I a	m satisfied is the person named
in and who executed the foregoing instru- them the contents thereof, they did ackno- as their voluntary act and deed for the use	wledge that they signed	, sealed, and delivered the same
	Not	ary Public

IN TESTIMON!		or, Assignor nas	increamo ser	men hand and se	11 UHS
_				(L.S.)	
	Fran	cis C. Maslanka	1		
STATE OF PENNSYLVANIA)				
COUNTY OF) ss.				
COUNTY OF	.)				
BE IT REMEMBERED, That	on this	day of			2013,
before me, a Notary Public, per	sonally app	eared Francis	C. Maslanka,	who I am satisf	ied is
the person named in and who e	xecuted the	foregoing instru	ıment in my ı	oresence, and I h	aving
first made known to them the c	ontents ther	eof, they did ac	knowledge th	at they signed, se	ealed,
and delivered the same as the	ir voluntary	act and deed	for the uses	and purposes th	erein
expressed.					
•					
			Notary Publi	C	

ay of October 2013.	hereunto set their hand and seal this
James R. Ryland	(L,S.)
STATE OF PENNSYLVANIA)	NOTARIAL SEAL SHANNON L FUNK
COUNTY OF CHESKR) ss.	Notary Public EAST WHITELAND TWP., CHESTER COUNTY My Commission Expires Jun 26, 2016
BE IT REMEMBERED, That on this 29 day of Defore me, a Notary Public, personally appeared James R. person named in and who executed the foregoing instrument made known to them the contents thereof, they did acknowledelivered the same as their voluntary act and deed for the uses	in my presence, and I having first edge that they signed, sealed, and

day of		JF, Assignor has hereunto se	
·			(L.S.)
	Euge	ne Schaefer	
STATE OF PENNSYL			
COUNTY OF) ss.)		
BE IT REMEMBERE	D, That on this	day of	2013,
before me, a Notary Po	ıblic, personally app	eared Eugene Schaefer, w	ho I am satisfied is the
person named in and w	ho executed the fore	going instrument in my pres	sence, and I having first
made known to them the	ne contents thereof, t	they did acknowledge that t	hey signed, sealed, and
delivered the same as th	eir voluntary act and	deed for the uses and purpos	ses therein expressed.
		Notary Pub	lic

ASSIGNMENT

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IN TESTIMONY WHEREOF, Assignor has signed this Assignment on the date identified below.

day of		EOF, Assignor has here	unto set their hand and seal thi
			(L,S.)
	Cf	narles Goochee	
STATE OF PENNSYLV			
COUNTY OF)	·	
BE IT REMEMBERED,	Γhat on this	day of	2014, before me
a Notary Public, personall	y appeared Ch	arles Goochee, who I a	m satisfied is the person named
in and who executed the f	oregoing instru	ment in my presence, ar	nd I having first made known to
them the contents thereof,	they did ackno	wledge that they signed	, sealed, and delivered the same
as their voluntary act and	leed for the use	s and purposes therein e	expressed.
		Not	ary Public

IN TESTIMONYday of		, Assignor has	hereunto set th	eir hand and seal this
	Franci	s C. Maslanka		(L.S.)
STATE OF PENNSYLVANIA				
COUNTY OF) ss.)		•	
BE IT REMEMBERED, That	on this	day of		2014
before me, a Notary Public, pers	onally appea	red Francis (C. Maslanka,	who I am satisfied is
the person named in and who ex	recuted the fo	oregoing instru	ment in my pr	esence, and I having
first made known to them the co	ontents thereo	of, they did acl	knowledge that	they signed, sealed.
and delivered the same as their	r voluntary	act and deed	for the uses a	and purposes therein
expressed.				
			Notary Public	

day of		F, Assignor has hereunto set	t their nand and seat this
			(L.S.)
	Jame	s R. Ryland	
STATE OF PENNSYLVAI	``		
COUNTY OF) ss.)		
BE IT REMEMBERED, 7	That on this	day of	2014,
before me, a Notary Public	, personally app	eared James R. Ryland, w	ho I am satisfied is the
person named in and who e	xecuted the fore	going instrument in my pres	sence, and I having first
made known to them the co	ontents thereof,	they did acknowledge that t	hey signed, sealed, and
delivered the same as their v	oluntary act and	deed for the uses and purpos	ses therein expressed.
		Notary Pub	lic

•	
Eugene Schaefer (L.S.)	
STATE OF NEW JERSEY) ss. COUNTY OF	

BE IT REMEMBERED, That on this 25th day of January before me, a Notary Public, personally appeared Eugene Schaefer, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to them the contents thereof, they did acknowledge that they signed, sealed, and delivered the same as their voluntary act and deed for the uses and purposes therein expressed.

> MALCOLM W. LEE Notary Public of New Jersey ID #2397087

Commission Expires June 8, 2015

REEL: 041845 FRAME: 0520

RECORDED: 03/01/2017