PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YVONNE SCHIEMANN	07/02/2014
LIV REINECKE	06/29/2014
THOMAS HAAS	06/30/2014
DRIK WEUSTER-BOTZ	06/30/2014
KRISPIN, HARALD AS REPRESENTED BY HEIR, KRISPIN, WILHELM	08/19/2014
KRISPIN, HARALD AS REPRESENTED BY HEIR, KRISPIN, MONIKA JOHANNA	08/19/2014

RECEIVING PARTY DATA

Name:	Evonik Industries AG	
Street Address:	Rellinghauser Strasse 1-11	
City:	Essen	
State/Country:	Germany	
Postal Code:	45128	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14380483

CORRESPONDENCE DATA

Fax Number: (703)413-2220

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: (703) 413-3000

Gtesfaye@oblon.com Email: OBLON, SPIVAK, ET AL. **Correspondent Name:** Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	438854US99PCT
NAME OF SUBMITTER:	GENET TESFAYE
SIGNATURE: /Genet Tesfaye/	
DATE SIGNED:	09/19/2014
This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 6

PATENT REEL: 033778 FRAME: 0264

502983800



Invention	Biotechnological method for producing butanol and butyric acid		
As the below name	d inventor, I hereby declare that:		
This declaration [The attached application, or		
is directed to:	United States application or PCT international application number PCT/EP2013/053523 filed on 22. Februar 2013		
The above-identifie	ed application was made or authorized to be made by me.		
I believe that I am t	the original inventor or an original joint inventor of a claimed invention in the application.		
entire right, title and	nik Industries AG d to as "ASSIGNEE") having places of business at: <u>Essen, Germany</u> , is desirous of acquiring the d interest in and to said invention and in and to any Letters Patent that may be granted therefore in and its territorial possessions and in any and all foreign countries;		
acknowledged, and said ASSIGNEE, the and in all foreign coother relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto ne full and exclusive right to the said invention in the United States and its territorial possessions ountries (including the right to claim priority under the terms of the International Convention and national Treaties and Arrangements from the aforesaid application) and the entire right, title and any and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, newals thereof.		
any and all foreign assignee of my enti (his) successors and	ze and request the Patent Office Officials in the United States and its territorial possessions and countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the ire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its d assigns, to the full end of the term for which said Letters Patent may be granted, as fully and a would have been held by me had this Assignment and sale not been made.		
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.			
I hereby acknow by fine or imprison	rledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.		
LEGAL NAME OF	FINVENTOR		
Inventor: Yvonne	Schiemann Date: × 2.7.14		
Signature:	Schienan		

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW

1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Invention	Biotechnological method for producing butanol and butyric acid			
As the below name	As the below named inventor, I hereby declare that:			
This declaration	The attached application, or			
is directed to:	United States application or PCT international application number PCT/EP2013/053523 filed on 22. Februar 2013			
The above-identifie	ed application was made or authorized to be made by me.			
I believe that I am t	the original inventor or an original joint inventor of a claimed invention in the application.			
entire right, title and	onik Industrics AG d to as "ASSIGNEE") having places of business at: Essen, Germany, is desirous of acquiring the d interest in and to said invention and in and to any Letters Patent that may be granted therefore in and its territorial possessions and in any and all foreign countries;			
acknowledged, and said ASSIGNEE, the and in all foreign coother relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto the full and exclusive right to the said invention in the United States and its territorial possessions countries (including the right to claim priority under the terms of the International Convention and mational Treaties and Arrangements from the aforesaid application) and the entire right, title and any and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, mewals thereof.			
any and all foreign assignee of my enti (his) successors and	ze and request the Patent Office Officials in the United States and its territorial possessions and a countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the ire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its d assigns, to the full end of the term for which said Letters Patent may be granted, as fully and a would have been held by me had this Assignment and sale not been made.			
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.				
I hereby acknow by fine or imprison	rledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.			
LEGAL NAME OF	FINVENTOR			
Inventor: Liv Rei	necke Date: X 2 9. 06. 14			
Signature: X	L. Reinecle			

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Title of Invention	Biotechnological method for producing b	utanol and butyric acid
As the below name	d inventor, I hereby declare that:	
This declaration [The attached application, or	
is directed to:	United States application or PCT international filed on 22. Februar 2013	application number PCT/EP2013/053523
The above-identifie	ed application was made or authorized to be made	e by me.
I believe that I am t	the original inventor or an original joint inventor	of a claimed invention in the application.
entire right, title and	d to as "ASSIGNEE") having places of business	at: Essen, Germany, is desirous of acquiring the ny Letters Patent that may be granted therefore in reign countries;
acknowledged, and said ASSIGNEE, the and in all foreign co other relevant Inter- interest in and to a	for other good and valuable consideration, I, been full and exclusive right to the said invention in countries (including the right to claim priority uncountries). Treaties and Arrangements from the afterny and all Letters Patent which may be granted any and all foreign countries and in and to	OLLARS (\$5.00), the receipt whereof is hereby by these presents do sell, assign and transfer unto in the United States and its territorial possessions der the terms of the International Convention and oresaid application) and the entire right, title and d therefor in the United States and its territorial or any and all divisions, reissues, continuations,
any and all foreign assignee of my enti (his) successors and	a countries to issue any and all of said Letters I ire right, title and interest in and to the same, for	e United States and its territorial possessions and Patent, when granted, to said ASSIGNEE as the r the sole use and behoof of said ASSIGNEE, its said Letters Patent may be granted, as fully and ent and sale not been made.
respecting said in continuation, substi- all of said Letters possible to aid said	vention, and testify in any legal proceeding, itute, renewal and reissue applications, execute a Patent to be issued to said ASSIGNEE, make	r its (his) representatives any facts known to me sign all lawful papers, execute all divisional, all necessary assignment papers to cause any and all rightful oaths, and, generally do everything to obtain and enforce proper protection for said ny and all foreign countries.
	rledge that any willful false statement made in the ment of not more than five (5) years, or both.	is declaration is punishable under 18 U.S.C. 1001
LEGAL NAME OF	FINVENTOR	
Inventor: Thomas	s Haas	Date: × 70 6. 14
Signature: X		

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW

1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Title of Invention	Biotechnological method for producing butanol and butyric acid		
As the below named	inventor, I hereby declare that:		
This declaration	The attached application, or		
is directed to:	United States application or PCT international application number PCT/EP2013/053523 filed on 22. Februar 2013		
The above-identified	d application was made or authorized to be made by me.		
I believe that I am th	ne original inventor or an original joint inventor of a claimed invention in the application.		
entire right, title and	to as "ASSIGNEE") having places of business at: <u>Essen, Germany</u> , is desirous of acquiring the interest in and to said invention and in and to any Letters Patent that may be granted therefore in dist territorial possessions and in any and all foreign countries;		
acknowledged, and said ASSIGNEE, the and in all foreign co- other relevant Interminterest in and to an	ORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto e full and exclusive right to the said invention in the United States and its territorial possessions untries (including the right to claim priority under the terms of the International Convention and national Treaties and Arrangements from the aforesaid application) and the entire right, title and may and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, newals thereof.		
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.			
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.			
	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 nent of not more than five (5) years, or both.		
LEGAL NAME OF	_		
Inventor: Dirk We	Date: X June 30 2014		
Signature: X	Juster-Botz Date: X June 30 2014		

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Assignment of Application

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have invented certain new and useful	improvements in: <u>BIOTECHNOLOGICAL ME</u>	THOD FOR PRODUCE
BUTANOL AND BUTYRIC ACID		
BOTANOL AND BUTTRIC ACID		
(Application No.	, filed	
WHEREAS, EVONIK INDUST	TRIES AG	

Germany is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application(s)) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, L.L.P. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: >	19.08.2014		して この -
		(Signature of Inventor)	Wilhelm KRISPIN
			(Heir of Harald KRISPIN- Deceased)
Date: \geq	19,08.2014		Cho Cy
		(Signature of Inventor)	Monika Johanna KRISPIN
			(Heiress of Harald KRISPIN-Deceased)
Date: _			
		(Signature of Inventor)	
Date: _			
		(Signature of Inventor)	
Date: _			
		(Signature of Inventor)	
Date: _	:		
		(Signature of Inventor)	

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

07/09

RECORDED: 09/19/2014