505533662 06/19/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5580459

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JUDITH HIEROLD	01/17/2019
DANIEL SUDHOFF	01/21/2019
MARTIN STEURENTHALER	01/18/2019
HANS JOACHIM HASSELBACH	01/21/2019
PHILIPP ROTH	01/17/2019
THORSTEN MERKER	01/21/2019
MARKUS HELD	01/17/2019
DANIEL FISCHER	01/23/2019
CHRISTIAN KAISER	01/17/2019

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number							
Application Number:	16471338							

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

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER: 521579US NAME OF SUBMITTER: KIMBERLY ASHWELL

SIGNATURE: /Kimberly Ashwell/ **DATE SIGNED:** 06/19/2019 **Total Attachments: 36** source=521579USAssignment#page1.tif source=521579USAssignment#page2.tif source=521579USAssignment#page3.tif source=521579USAssignment#page4.tif source=521579USAssignment#page5.tif source=521579USAssignment#page6.tif source=521579USAssignment#page7.tif source=521579USAssignment#page8.tif source=521579USAssignment#page9.tif source=521579USAssignment#page10.tif source=521579USAssignment#page11.tif source=521579USAssignment#page12.tif source=521579USAssignment#page13.tif source=521579USAssignment#page14.tif source=521579USAssignment#page15.tif source=521579USAssignment#page16.tif source=521579USAssignment#page17.tif source=521579USAssignment#page18.tif source=521579USAssignment#page19.tif source=521579USAssignment#page20.tif source=521579USAssignment#page21.tif source=521579USAssignment#page22.tif source=521579USAssignment#page23.tif source=521579USAssignment#page24.tif source=521579USAssignment#page25.tif source=521579USAssignment#page26.tif source=521579USAssignment#page27.tif source=521579USAssignment#page28.tif source=521579USAssignment#page29.tif source=521579USAssignment#page30.tif source=521579USAssignment#page31.tif source=521579USAssignment#page32.tif source=521579USAssignment#page33.tif source=521579USAssignment#page34.tif

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(Sheet 3 of 4)

Attornari	Docket No.	
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S	TESTIMONY ay of	Ι	hereunto	set	my	hand	and	seal	this	
		Daniel FISCHER 11817 Heathmere Crescent Midlothian, VA 23113 United States								
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(Sheet 4 of 4)

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(Sheet 2 of 4)

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(Sheet 3 of 4)

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(Sheet 3 of 4)

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Attornari	Llocket No	
Auomey	Docket No	

2016P00163WOUS

 IN TESTIMONY day of	Ι	hereunto	set	my	hand	and	seal	this
	11 M	aniel FISCH 817 Heathn idlothian, V	nere C A 23		nt			
 IN TESTIMONY day of	I	hereunto	set	my	hand	and	seal	this
	W 63	hristian KA Valburgstr. 3 8857 Waldas	schaff	•				

(Sheet 4 of 4)

WHEREAS I/We, the below named inventor(s) (hereinafter referred to as ASSIGNOR(S)) have made an invention entitled:

METHOD FOR PREPARING METHIONINE

for which an International application was filed on 15 December 2017 and was assigned the Application No. PCT/EP2017/082960; and

WHEREAS, Evonik Degussa GmbH, a corporation of Germany, whose post office address is Rellinghauser Straße 1-11, 45128 Essen, Germany (hereinafter referred to as ASSIGNEE), is desirous of securing the entire right, title, and interest in and to the aforesaid invention and/or any improvements thereon in all countries throughout the world, and in and to the application(s) for Letters Patent on the aforesaid invention and/or any improvements thereon and the Letters Patent to be issued upon the aforesaid U.S. and/or International application(s);

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR(S), by these presents do hereby sell, assign and transfer to ASSIGNEE, the full and exclusive right, title and interest in and to the aforesaid invention and any improvements thereon, the aforesaid application(s) and all corresponding and/or counterpart foreign patent applications, all divisional, continuation, continuation-in-part, reissue, reexamination, extension, substitution, registration, renewal, extension, Supplementary Protection Certificates or the like, and any additional patent applications which claim priority to the aforesaid application(s), and all Letters Patent or comparable rights issuing thereon in the United States and in all foreign countries, and all applications for Letters Patent which may hereafter be filed for the aforesaid invention and/or any improvements thereon in the United States and/or in any foreign country and all Letters Patent which may be granted on the aforesaid invention and/or any improvements thereon in the United States and/or in any foreign country, together with the right(s) to claim priority to the aforesaid patent application(s) and/or any improvements thereon, and the ASSIGNOR(S) hereby authorize and request the United States Commissioner of Patents and Trademarks and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent or comparable rights issuing on any application as aforesaid to ASSIGNEE, or to its successors, assigns or legal representatives;

ASSIGNOR(S) hereby covenant that ASSIGNOR(S) have full right to convey the entire interest herein assigned, and that ASSIGNOR(S) have not executed, and will not execute, any agreement in conflict herewith;

ASSIGNOR(S) agree to communicate to ASSIGNEE or to its successors, assigns or legal representatives any and all facts known to them or any of them respecting said invention, and without further remuneration to testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and reexamination applications, make all rightful oaths and generally do all lawful acts to aid ASSIGNEE or its successors, assigns or legal representatives to obtain and enforce proper patent protection for said invention in all countries and to enhance or perfect ASSIGNEE's title in and to the invention and patent rights therein.

(Sheet 1 of 4)

Attorney Docket No.:

2016P00163WOUS

ASSIGNOR(S) hereby authorize attorneys for ASSIGNEE to enter on this document any applicable serial numbers and filing dates after ASSIGNOR(S') execution of this document.

ASSIGNOR(S) hereby acknowledge an obligation to assign and do hereby assign all right, title and interest in and to the aforesaid invention and any improvements thereon to ASSIGNEE at the time the invention was made.

This Assignment may be executed in one (1) or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

 IN	TESTIMONY day of	Ι	hereunto	set	my	hand	and	seal	this
		Ju	dith HIERO	DLD					
		30	riegerstr. 15 161 Hannov ermany	ver					
 IN	TESTIMONY day of	Ι	hereunto	set	my	hand	and	seal	this
		Da	aniel SUDH	OFF					
		63	ferstr. 76 3456 Hanau ermany						
 IN	TESTIMONY day of	Ι	hereunto	set	my	hand	and	seal	this
		M	artin STEU	RENT	THAL	ER			
		61	bergasse 10 .118 Bad Vi ermany	lbel					

(Sheet 2 of 4)

Attorney Docket No.: 2016P00163WOUS

IN TESTIMONY WHEREOF, day of2019.	I hereunto set my hand and seal this
	Hans Joachim HASSELBACH Deutschordenstr, 6 63571 Gelnhausen Germany
IN TESTIMONY WHEREOF,day of2019.	I hereunto set my hand and seal this
	Philipp ROTH Hermann-Ehlers-Straße 11b 63456 Hanau Germany
IN TESTIMONY WHEREOF, A day of January 2019.	I hereunto set my hand and seal this
	Thorsten MERKER Karlstr. 5 Georg Ser. 28 63456 Hanau Go 374 E Jes La Le Germany 2104-2003 11
IN TESTIMONY WHEREOF,day of2019.	I hereunto set my hand and seal this
	Markus HELD Meisenring 8a 63694 Limeshain Germany

(Sheet 3 of 4)

Attorney Docket No.:

2016P00163WOUS

IN TESTIMONY day of	WHEREOF, 2019.	Ι	hereunto	set	my	hand	and	seal	this
		11 M	aniel FISCH 817 Heathn idlothian, V nited States	nere (nt			
 IN TESTIMONY day of	WHEREOF, 2019.	Ι	hereunto	set	my	hand	and	seal	this
		W 63	nristian KAl alburgstr. 3 857 Waldas ermany		•				

(Sheet 4 of 4)

WHEREAS I/We, the below named inventor(s) (hereinafter referred to as ASSIGNOR(S)) have made an invention entitled:

METHOD FOR PREPARING METHIONINE

for which an International application was filed on 15 December 2017 and was assigned the Application No. PCT/EP2017/082960; and

WHEREAS, Evonik Degussa GmbH, a corporation of Germany, whose post office address is Rellinghauser Straße 1-11, 45128 Essen, Germany (hereinafter referred to as ASSIGNEE), is desirous of securing the entire right, title, and interest in and to the aforesaid invention and/or any improvements thereon in all countries throughout the world, and in and to the application(s) for Letters Patent on the aforesaid invention and/or any improvements thereon and the Letters Patent to be issued upon the aforesaid U.S. and/or International application(s);

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR(S), by these presents do hereby sell, assign and transfer to ASSIGNEE, the full and exclusive right, title and interest in and to the aforesaid invention and any improvements thereon, the aforesaid application(s) and all corresponding and/or counterpart foreign patent applications, all divisional, continuation, continuation-in-part, reissue, reexamination, extension, substitution, registration, renewal, extension, Supplementary Protection Certificates or the like, and any additional patent applications which claim priority to the aforesaid application(s), and all Letters Patent or comparable rights issuing thereon in the United States and in all foreign countries, and all applications for Letters Patent which may hereafter be filed for the aforesaid invention and/or any improvements thereon in the United States and/or in any foreign country and all Letters Patent which may be granted on the aforesaid invention and/or any improvements thereon in the United States and/or in any foreign country, together with the right(s) to claim priority to the aforesaid patent application(s) and/or any improvements thereon, and the ASSIGNOR(S) hereby authorize and request the United States Commissioner of Patents and Trademarks and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent or comparable rights issuing on any application as aforesaid to ASSIGNEE, or to its successors, assigns or legal representatives;

ASSIGNOR(S) hereby covenant that ASSIGNOR(S) have full right to convey the entire interest herein assigned, and that ASSIGNOR(S) have not executed, and will not execute, any agreement in conflict herewith;

ASSIGNOR(S) agree to communicate to ASSIGNEE or to its successors, assigns or legal representatives any and all facts known to them or any of them respecting said invention, and without further remuneration to testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and reexamination applications, make all rightful oaths and generally do all lawful acts to aid ASSIGNEE or its successors, assigns or legal representatives to obtain and enforce proper patent protection for said invention in all countries and to enhance or perfect ASSIGNEE's title in and to the invention and patent rights therein.

(Sheet 1 of 4)

Attorney Docket No.:

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IN TESTIMONY day of	WHEREOF, 2019.	Ι	hereunto	set	my	hand	and	seal	this
		K: 30	dith HIERC riegerstr. 15 161 Hanno ermany						
IN TESTIMONY day of	WHEREOF, 2019.	Ι	hereunto	set	my	hand	and	seal	this
		U: 63	aniel SUDH ferstr. 76 3456 Hanau ermany	OFF					
IN TESTIMONY day of	WHEREOF, 2019.	Ι	hereunto	set	my	hand	and	seal	this
		O 61	fartin STEU bergasse 10 1118 Bad Vi ermany		ΓHAL	ER			

(Sheet 2 of 4)

IN TESTIMONY WHEREOF, day of2019	I hereunto set my hand and seal this
	Hans Joachim HASSELBACH Deutschordenstr. 6 63571 Gelnhausen Germany
IN TESTIMONY WHEREOF,day of2019.	I hereunto set my hand and seal this
	Philipp ROTH Hermann-Ehlers-Straße 11b 63456 Hanau Germany
IN TESTIMONY WHEREOF,day of2019.	I hereunto set my hand and seal this
	Thorsten MERKER Karlstr. 5 63456 Hanau Germany
IN TESTIMONY WHEREOF, A day of	I hereunto set my hand and seal this Markus HELD
	Meisenring 8a 63694 Limeshain Germany

(Sheet 3 of 4)

Attorney Docket No.: 2016P00163WOUS

 IN TESTIMONY day of	WHEREOF, 2019.	Ι	hereunto	set	my	hand	and	seal	this
		11 M	aniel FISCH 817 Heathr idlothian, V nited States	nere (/A 23		nt			
 IN TESTIMONY day of	WHEREOF, 2019.	Ι	hereunto	set	my	hand	and	seal	this
		W 63	hristian KA Valburgstr. 3 8857 Waldas ermany						

(Sheet 4 of 4)

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PATENSTIER 1 of 4)
REEL: 049527 FRAME: 0689

Attorney Docket No.:

2016P00163WOUS

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IN TESTIMONY day of			hereunto	set	my	hand	and	seal	this
		Ju	dith HIERC	DLD					
		30	riegerstr. 15 0161 Hannov ermany	ver					
IN TESTIMONY day of		Ι	hereunto	set	my	hand	and	seal	this
		Da	aniel SUDH	OFF					
		63	ferstr. 76 456 Hanau ermany						
IN TESTIMONY day of	•	Ι	hereunto	set	my	hand	and	seal	this
		<u></u>	artin STEUI	RENT	'HAL	ER		1	
			pergasse 10 118 Bad Vil	lbel					

Germany

PATEN(\$\text{heet 2 of 4})

REEL: 049527 FRAME: 0690

	IN TESTIMONY day of	WHEREOF, 2019.		hereunto	set	my	hand	and	seal	this
			— Ha	ans Joachim	HAS	SELB	АСН			
			63	eutschorden 3571 Gelnha ermany						
	IN TESTIMONY day of		Ι	hereunto	set	my	hand	and	seal	this
			Pł	nilipp ROTH	I					
			63	ermann-Ehlo 1456 Hanau ermany	ers-St	raße 1	1b			
	IN TESTIMONY day of	WHEREOF, 2019.	Ι	hereunto	set	my	hand	and	seal	this
			Tł	norsten MEI	RKER					
			63	arlstr. 5 3456 Hanau ermany						
	IN TESTIMONY day of	WHEREOF, 2019.		hereunto	set	my	hand	and	seal	this
			M	arkus HELI)	·				
			63	eisenring 8a 694 Limesh ermany						

PATEN^{Sheet 3 of 4)}
REEL: 049527 FRAME: 0691

Docket No.:	

2016P00163WOUS

IN TESTIMONY WHEREOF, 23 day of 24 have 2019.	I hereunto set my hand and seal this
• • • • • • • • • • • • • • • • • • • •	Deniel Fine
	Daniel FISCHER
	11817 Heathmere Crescent Midlothian, VA 23113 United States
IN TESTIMONY WHEREOF, day of 2019.	I hereunto set my hand and seal this
	Christian KAISER
	Walburgstr. 3 63857 Waldaschaff Germany

PATEN(Sheet 4 of 4)

REEL: 049527 FRAME: 0692

WHEREAS I/We, the below named inventor(s) (hereinafter referred to as ASSIGNOR(S)) have made an invention entitled:

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10NY WHER		Ι	hereunto	set	my	hand	and	seal	this
		Ju	dith HIERO	LD					
		30	iegerstr. 15 161 Hannov ermany	ver					
40NY WHER	EOF, 2019.	I	hereunto	set	my	hand	and	seal	this
		Da	aniel SUDH	OFF					
		63	Ferstr. 76 456 Hanau ermany						
MONY WHER	EOF, 2019.	Ι	hereunto	set	my	hand	and	seal	this
		M	artin STEU	REN'	ΓHAL	ER			
		61	bergasse 10 118 Bad Vi ermany	lbel					

(Sheet 2 of 4)

IN TESTIMONY day of	Ι	hereunto	set	my	hand	and	seal	this
	На	ıns Joachim	HAS	SELB	АСН			
	63	eutschorden 571 Gelnha ermany						
IN TESTIMONY day of	I	hereunto	set	my	hand	and	seal	this
	Ph	nilipp ROTH	I					•
	63	ermann-Ehlo 456 Hanau ermany	ers-St	raße 1	1b			
IN TESTIMONY day of	Ι	hereunto	set	my	hand	and	seal	this
	Tł	norsten MEl	RKER	2				
	63	arlstr. 5 3456 Hanau ermany						
IN TESTIMONY day of		hereunto	set	my	hand	and	seal	this
		arkus HELI		· · · · · · · · · · · · · · · · · · ·				
	63	leisenring 8a 8694 Limesl ermany						

(Sheet 3 of 4)

Attorney Docket No.: 2016P00163WOUS

IN TESTIMONY WHEREOF, day of2019,	I hereunto set my hand and seal this							
	Daniel FISCHER							
	11817 Heathmere Crescent Midlothian, VA 23113 United States							
IN TESTIMONY WHEREOF, About 1 2019.	I hereunto set my hand and seal this							
	Christian KAISER							
	Walburgstr, 3 63857 Waldaschaff Germany							

(Sheet 4 of 4)