503106874 12/18/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT3153481 Stylesheet Version v1.2

 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NIKOLAI (MYKOLA) IGNATYEV	11/06/2014
KARSTEN KOPPE	10/23/2014
WALTER FRANK	12/02/2014

RECEIVING PARTY DATA

Name:	MERCK PATENT GMBH
Street Address:	FRANKFURTER STRASSE 250
City:	DARMSTADT
State/Country:	GERMANY
Postal Code:	64293

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14409064

CORRESPONDENCE DATA

Fax Number:

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: 703-243-6333 Email: mail@mwzb.com

Correspondent Name: MILLEN, WHITE, ZELANO & BRANIGAN (MIA)

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Address Line 2: SUITE 1400

Address Line 4: ARLINGTON, VIRGINIA 22201

ATTORNEY DOCKET NUMBER:	MERCK-4271
NAME OF SUBMITTER:	MICHAIAH COPP
SIGNATURE:	/Michaiah Copp/
DATE SIGNED:	12/18/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

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PATENT 503106874 REEL: 034544 FRAME: 0526

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PATENT REEL: 034544 FRAME: 0527

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of METHOD FOR Invention BIS(PERFLU	PRODUCING TRIS(PERFLUOROALKYL)PHOSPHINE OXIDES AND DROALKYL)PHOSPHINIC ACID
As the below named inventor, I hereb	y declare that:
This declaration The attack	thed application, or
United S is directed to: \$\times \text{June 20}\$	tates Application or PCT International Application number $\underline{PCT/EP2013/001630}$ filed on $\underline{4}$
The above-identified application was	made or authorized to be made by me.
I believe that I am the original invent-	or or an original joint inventor of a claimed invention in the application.
AND WHEREAS Merck Pate Frankfurter 64293 Dan hereinafter referred to as the ASSIGN all patent(s) listed above, including ar including any and all renewals, reissa NOW, WITNESSETH that ASSIGNOR hereby assigns, sells, and right, title and interest in and to said i and all Letters Patent which may be g thereof, and in and to any and all U.S. to accrue with respect to the filling or invention, SAID ASSIGNEE, its assig including any and all earlier priority r which may be granted therefor, including to sue for damages occurring bei	nt GmbH Strasse 250
renewals, reissues, reexaminations an representatives, in as ample and benef enjoyed the same, if the assignment has AND ASSIGNOR hereby a and foreign countries for said invention	I extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal icial a manner to all intents and purposes as the ASSIGNOR might or could have held and
AND ASSIGNOR authorize	s and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on othercof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.
The undersigned hereby gra assignment information which may be properly record this document.	at(s) the law firm of Mitten. White. Zelano & Branigan, P.C. the power to insert on this necessary or desirable in order for the United States Patent and Trademark Office to
IN TESTE	MONY WHEREOF this assignment is executed by ASSIGNOR
I hereby acknowledge that a fine or imprisonment of not more than	ny willful false statement made in this declaration is punishable under 18 U.S.C. 1901 by five (5) years, or both,
LEGAL NAME OF INVENTOR Inventor: Nikolai (Mykola) Ign	wycy Data: 16. 47. 2014
Signature: <u>1/kole/fly</u>	la la la face face la company de la company

MILLER, WHITE, ZELANO & BRAMGAN, P.C. ATTORNEYS AT LAW ARLINGTON COURTHOUSE PLAZA 2200 CEARENDON BOULEVARD | SUITE 1400 | ARESIGION VA 22201 TELEPHONE: 703.243.6333 FAX: 703.243.6410

EMAIL: MAIL@MWZB.COM

Effective, September 16, 2013

PATENT REEL: 034544 FRAME: 0528

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	METHOD FOR PRODUCING TRIS(PERFLUOROALKYL)PHOSPHINE OXIDES AND BIS(PERFLUOROALKYL)PHOSPHINIC ACIDS
As the below nan	ned inventor, I hereby declare that:
This declaration	☐ The attached application, or
is directed to:	United States Application or PCT International Application number <u>PCT/EP2013/001630</u> filed on 4 June 2013
The above-identi	fied application was made or authorized to be made by me.
I believe that I an	the original inventor or an original joint inventor of a claimed invention in the application.
AND WHEREAS	
harainatiar rutare	Merck Patent GmbH Frunkfurter Strasse 250 64293 Darmstadt / DE at to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and
all patent(s) listed	as to as the ASSICTABLE, is destrous of acquiring the emire right, fitte, and interest in and to said invention and labove, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, lall renewals, reissues, reexaminations and extensions thereof.
ASSIGNOR here right, title and int and all Letters Pa thereof, and in an to accrue with res invention, SAID including any and which may be gravight to sue for darising from or a renewals, reissues representatives, in	WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, by assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive erest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any tent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions d to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accraing or pect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, it all earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent inted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the images occurring before the assignment, with all the rights, powers, privileges and advantages in any wise opertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all so reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal is as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and if the assignment had not been made.
and foreign count	SSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States ries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to papers that may be needed in connection with securing Letters Patents thereon.
AND A any and all division	SSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on one and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.
The unc assignment infort properly record th	dersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this nation which may be necessary or desirable in order for the United States Patent and Trademark Office to its document.
	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR
I hereby time or imprisonn	acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 100 l by ent of not more than five (5) years, or both.
LEGAL NAME (OF INVENTORY
Inventor: k	Date: 23.10.2014
Signature:	

MILLEN, WHITE, ZELAND & BRANIGAN, P.C. ATTORNEYS AT LAW

ARLINGTON COURTHOUSE PLAZA

2200 CLARENDON BOULEVARD | SUITE 1400 | ARLINGTON VA 22201 TELEPHONIE: 703.243.6333 | FAX: 703.243.6410

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Effective, September 15, 2012

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention		IOD FOR PRODUCING TRIS(PERFLUOROALKYL)PHOSPHINE OXIDES AND RFLUOROALKYL)-PHOSPHINIC ACIDS
As the below nan	ed invento	r. I hereby declare that:
This declaration		The attached application, or
is directed to:) E I	United States Application or PCT International Application number $\underline{PCT/EP2013/001630}$ filed on $\underline{4}$ June $\underline{2013}$
The above-identi	ied applica	tion was made or authorized to be made by me.
I believe that I an	the origin	al inventor or an original joint inventor of a claimed invention in the application.
all patent(s) listed	M Fr 64 ad to as the above, inc	erck Patent GmbH sinkfurter Strasse 250 1293 Darmstadt / DE ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and duding any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof. Is, reissues, reexaminations and extensions thereof.
ASSIGNOR here right, title and into and all Letters Pathereof, and in an to accrue with resinvention, SAID including any and which may be graright to sue for datarising from or aptenewals, reissues representatives, in	by assigns, crest in and lent which in d to any ampect to the ASSIGNEE all carlier priced therefore the pertaining to reexaming as ample as a ample	ETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive to said invention and patent(s), including any and all divisions and continuations thereof, and any may be granted therefor, including any and all renewals, reissues, reexaminations and extensions dall U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or filing or securing of patents in the United States and/or any countries foreign thereto concerning said it is assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, priority rights (U.S. and foreign) divisions and continuations thereof, any and all Letters Patent or, including any and all renewals, reissues, reexaminations and extensions thereof, including the arring before the assignment, with all the rights, powers, privileges and advantages in any wise thereto, for and during the term or terms of any and all such Letters Patent, including any and all ations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and mment had not been made.
and foreign count	ies for said	hereby agrees to execute all papers that may be necessary to file applications in the United States I invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to may be needed in connection with securing Letters Patents thereon.
		authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on timuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.
	ation whic	ereby grant(s) the law firm of Millen. White, Zelano & Branigan, P.C. the power to insert on this h may be necessary or desirable in order for the United States Patent and Trademark Office to at.
	113	N TESTIMONY WHEREOF this assignment is executed by ASSIGNOR
		Ige that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by nore than five (5) years, or both.
LEGAL NAME C		
Inventor: V	alter Frank	Date: December 2, 2014
Signature:		La alter Academic

MILLEN, WHITE, ZELANO & BRANIGAN, P.C. ATTORNEYS AT LAW ARLINGTON COURTHOUSE PLAZA 2200 CLARENDON BOULEVARD | SUITE 1400 | ARLINGTON VA 22201 TELEPHONE: 703.243.6333 FAX: 703.243.6410

EMAIL: MAIL @MWZB.COM

Effective September 16, 2012

PATENT REEL: 034544 FRAME: 0530