PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3872596

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LARS LIETZAU	04/21/2016
CONSTANZE BROCKE	04/21/2016
VOLKER REIFFENRATH	04/21/2016
ATSUTAKA MANABE	04/25/2016

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:	15095229

CORRESPONDENCE DATA

Fax Number: (703)243-6410

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, P.C.

Address Line 1: 2200 CLARENDON BLVD.

SUITE 1400 Address Line 2:

Address Line 4: ARLINGTON, VIRGINIA 22201

ATTORNEY DOCKET NUMBER:	MERCK-4450
NAME OF SUBMITTER:	ROBIN ESCOBAR
SIGNATURE:	/Robin Escobar/
DATE SIGNED:	05/13/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).
	<u> </u>

Total Attachments: 4

PATENT REEL: 038704 FRAME: 0883

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PATENT REEL: 038704 FRAME: 0884

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	FLUORINATED DIBENZOFURAN AND DIBENZOTHIOPHENE DERIVATIVES	
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 15/095,229 filed on April 11, X 2016.	
The above-identil	fied application was made or authorized to be made by me.	
I believe that I an	n the original inventor or an original joint inventor of a claimed invention in the application.	
AND WHEREAS	5	
	Merck Patent GmbH Frankfurter Strasse 250 64293 Darmstadt GERMANY	
all patent(s) listed	ed to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and I above, including any and all earlier priority rights (U.S. and foreign), divisions and communitions thereof, I all renewals, reissues, reexaminations and extensions thereof.	
ASSIGNOR here right, title and int and all Letters Pathercof, and in an to accrue with resinvention, SAID including any and which may be graright to see for de arising from or at renewals, reissue 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 crust 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 ad to any and all U.S. (including provisional) or foreign priority and/or convention eights or benefits accruing or spect 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, I 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 anywise operatining thereto, for and during the term or terms of any and all such Letters Patent, including any and all s, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal n 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	AND ASSIGNOR hereby agrees to execute all papers that may be necessary to fite applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with securing Letters Patents thereon.	
	ASSIGNOR authorizes and requests the Commissioner of Patents and Teademarks to issue a Letters Patent on one and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.	
The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment information which may be necessary or desirable in order for the United States Patent and Trademark Office to properly record this document.		
	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR	
Thereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
LEGAL NAME (₩ × × × × × × × × × × × × × × × × × × ×	
Inventor: 1	ars LIETZAU Date: 21.4.2016	
Signature:	Lines William	

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DOCKET NO. MERCK-4450 Effective, September 16, 2012

DECLARATION (37 CFR £63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR £76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

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The above-identit	ied application was made or authorized to be made by me.
I believe that I am	the original inventor or an original joint inventor of a claimed invention in the application.
AND WHEREAS	Merck Patent GmbH Frankfurter Strasse 250 64293 Darmstadt GERMANY
all patent(s) listed	ed to us the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, tall renewals, reissues, reexaminations and extensions thereof.
ASSIGNOR hereinght, title and invand all Letters Pathereof, and in an to accrue with resinvention, SAID including any and which may be granight to sue for da arising from or aptenewals, 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 accruing or pect to the filling 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, all earlier priority rights (U.S. and foreign), divisions and communations thereof, any and all Letters Patent inted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the mages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise pertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all screaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal 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.
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	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR
	acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by ent of not more than five (5) years, or both.
LEGAL NAME C	
Inventor: C	Constanze BROCKE Date: Q.A. U. / (A
Signature:	Canton 300a

MBLEN, WINE, ZELANO & BRANKON, P.C. ATTEMNETS AT LAW ARENGEOS COMPTHONE PLAZA 2000 CLASSICO BOUR PARAM I SINCE 1900, AND NOTON VA 2220 TRESPENDE TOR 243 AND FIRST TOR 243 AGAIN FRANC, MAR NOW MELLOM

BOCKET NO. MERCK-4459 Effective, September 16, 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	FLUORINATED DIBENZOFURAN AND DIBENZOTHIOPHENE DERIVATIVES
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The above-identif	led application was made or authorized to be made by me.
I believe that I am	the original inventor or an original joint inventor of a claimed invention in the application.
AND WHEREAS	Merek Patent GnibH Frankfurter Strässe 250 64293 Darmstadt GERMANY
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	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR
A4. 10	acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by tent of not more than five (5) years, or both.
LEGAL NAME C	
Inventor: 1	Volker REIFFENRATH Date: 21, 4, 2016
Signature:	Mar Rally

MILLEN, WILDE, ZISLAND & BRANGAN, P.C. ACTORNEYS AT LAW AND PRINCE COMMUNISE FOR A 2DE GLASSMOOD HORANDERS BUTCH WAS 222SI THE CHIRAGE THE 240 6/33 FAX: THE 243 6410 EMAIL, MARION WEST 2008

DOCKET NO. MERCK-4450 Effective, September 16, 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

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LEGAL NAME C	
Inventor:	Atsutaka MANABE Date: 25 4 20 / 6 Oto 4 O O O O O O O O O O O O O O O O O O

MILLEN, WHITE, ZELANDAE BEANGAN, P.C. ATTORNOYS OF LAW ARLINGTON CONTRIDUCE IT AND ZENS CLAMPROOF BORDE DEAD STORE, 1909 AND ARTON VA. 22201. TELEPHORE: 702.2936331 FAN. 703.243 6449 EMAND, MARIONNY, B.COM

DOCKET NO. MERCK-4458 Effective, September 16, 2012

PATENT REEL: 038704 FRAME: 0888

RECORDED: 05/13/2016