### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3232767

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
OLIVER SCHADT	02/12/2015
DIETER DORSCH	02/12/2015
ANDREE BLAUKAT	02/16/2015
FRANK STIEBER	02/12/2015

#### **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:	14602921

#### **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: PAM RICHARDSON

Address Line 4: ARLINGTON, VIRGINIA 22201

ATTORNEY BOOKET MUNICER	MEDOK 2002 DOS
ATTORNEY DOCKET NUMBER:	MERCK-3666-D03
NAME OF SUBMITTER:	PAMELA D. RICHARDSON
SIGNATURE:	/Pamela D. Richardson/
DATE SIGNED:	02/19/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).
	•

**Total Attachments: 4** 

PATENT REEL: 034985 FRAME: 0473

503186150



PATENT REEL: 034985 FRAME: 0474

# 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	PYRIMIDINYL PYRIDAZINONE DERIVATIVES
Invention	
As the below narr	ned inventor, I hereby declare that:
This declaration	The attached application, or
is directed to:	United States Application or PCT International Application number 14/602.921 filed on 1-22-2015
The above-identi	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	S Call III
	Merck Patent GmbH Frankfurter Strasse 250
	Democraft Germany 64293
all margaretes licher	ed to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and d above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, d all renewals, reissues, reexaminations and extensions thereof.
ASSIGNOR here right, title and in and all Letters Pithereof, and in ar to accrue with reinvention, SAID including any an which may be gright to sue for darising from or a renewals, reissue representatives, injuyed the same AND and foreign cour execute any other	WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, thy assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive interest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any intent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions and to any and all U.S. (including provisional) or foreign priority and/or convention rights 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, and differ priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent anted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the amages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise appertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and e, if the assignment had not been made.  ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States arries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to an appears that may be needed in connection with securing Letters Patents thereon.  ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on the signs and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.
***	ndersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this rmation which may be necessary or desirable in order for the United States Patent and Trademark Office to
-	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR
fine or imprison	by acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by ment of not more than five (5) years, or both.
LEGAL NAME	OF INVENTOR
Inventor	Andree Blanker Date: 10004 at 6
Signature:	

Millen, White, Zelano & Branigan, P.C.
Attorneys at Law
Arlington Courthouse Plaza
2200 Clarendon Boulevard | Suite 1400 | Arlington VA 22201
Telephone: 703.243.6333 | Fan: 703.243.6416

EMAIL: MAIL@MWZB.COM

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	PYRIMIDINYL PYRIDAZINONE DERIVATIVES
	ned inventor, I hereby declare that:
As the below nan	in the second of
This declaration	The attached application, or
is directed to:	United States Application or PCT International Application number 14/602 921 filed on 1-22-2015
The above-identi	fied application was made or authorized to be made by me.
I believe that I as	n the original inventor or an original joint inventor of a claimed invention in the application.
All manuscraft dieta	Merck Paten: GmbH Frankfurter Strasse 250 Darmstadt, Germany 64293  ed to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and d above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, d all renewals, reissues, reexaminations and extensions thereof.
ASSIGNOR here right, title and in and all Letters Properties of the accuse with resinvention, SAID including any an which may be gright to sue for darising from or a renewals, reissue	WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, oby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive terest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any ament which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions and to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accraing 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, dall earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent anted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the amages occurring before the assignment, with all the rights, powers, privileges and advantages in anywisa appearations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and e, if the assignment had not been made.
and thenton one	ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States naries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to appears that may be needed in connection with securing Letters Patents thereon.
any and all divis	ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on sions 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
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1003 by fine or imprisonment of not more than five (5) years, or both.	
LEGAL NAME	OF INVENTOR 20 150
Inventor:	Prank Stieber Date: 12 Telescop 2015
Signature:	

Millen, White, Zelano & Branigan, P.C.
Attorneys at Law
Arlington Courthouse Plaza
2200 Clarendon Boulevard | Suite 1400 | Arlington VA 22201
Telephone: 703.243.6333 | Fan: 703.243.6410

EMAIL: MAIL@MWZB.COM

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	PYRIMIDINYL PYRIDAZINONE DERIVATIVES
As the below nam	ed inventor, I hereby declare that
This declaration	
is directed to:	United Status Application or PCT International Application number 14/602.921 filed on 1-22-2015
The above-identif	fed 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.
all patent(s) listed including any art	Merck Patent GmbH Frankfurter Strasse 250 Darmstadt, Germany 64293  ed to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and labove, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, it all renewals, references, reexaminations and extensions thereof.
ASSIGNOR here right, title and int and all Letters Pathereof, and in art to accrue with rei invention, SAID including any answhich may be gright to sue for darising from at a renewala, reissue representatives, i enjoyed the same	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 is rest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any ment which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions and to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accroing or spect 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, deal earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent anted therefor, including my and all renewals, reissues, reexaminations and extensions thereof, including the amages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise appertaining 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 in as simple and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and a lift the assignment had not been made.
1	ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States three for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to propers that may be needed in connection with securing Letters Fatents thereon.
any and all divis	ASSIGNOR authorizes and requests the Commissioner of Patents and Tradomarks to issue a Letters Patent on sions and continuations diereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.
The transfer the conduction of	
Į,	IN TESTIMONY WHEREOF this assignment is executed by ASSKINOR
There fine or imprisor	by acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by ament of nor more than five (5) years, or both.
LEGAL NAME	OF INVENTOR / / / Date: 12/02/2015
Inventor Signature:	Oliver Schadt / Colo Date: 16-102/

MILLEN, WHITE, ZELANO & BRANDIAN, P.C. ATTORNEYS AT LAW ARLINGTON COURTROUSE PLAZA 2200 CLARENDON BOULEVARD SUITE 1400 AREINGTON VA 22201

TELEPHONE: 703.243.6333 | FAX: 703.243.6410

EMAIL: MAIL@MWZE.COM

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

	AND ANDRESS PEDIFATURE
Title of Invention	PYRIMIDINYL PYRIDAZINONE DERIVATIVES
	A dela dela
As the below nam	ned inventor. I hereby declare that:
This declaration	the state of the s
is directed to:	United States Application or PCT International Application number 14/602.921 filed on 1-22-2015
The above-idensit	fied application was made or authorized to be made by me.
	n the original inventor or an original joint inventor of a claimed invention in the application.
ويحقيه والأكار فالمستريد المالية	Merck Patent GmbH Frankfurter Strasse 250 Darmstadt, Germany 64293 ed to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and dahove, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, dall renewals, reissues, reexaminations and extensions thereof.
ASSIGNOR here right, title and in and all Letters Pribercof, and in as to accene with reinvention, SAID including any an which may be gright to sue for darising from an a renewals, reissue representatives, enjoyed the same	WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, oby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive terest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any ment which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions and to any and all U.S. (including provisional) or foreign priority and/or convention rights 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, all earlier priority rights (U.S. and foreign) divisions and continuations thereof, any and all Letters Patent anted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the amages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise appertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all sexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and e, if the assignment had not been made.
and foreign cour execute any other	ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States nurses for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to or papers that may be needed in connection with securing Letters Patents thereon.
AND any and all divis	ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on sions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.
The use assignment info properly record	ndersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this rmation which may be necessary or desirable in order for the United States Patern and Trademark Office to this document.
	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR
I here fine or imprisor	by acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by among of ant more than five (5) years, or both.
LEGAL NAME	OF INVENTOR Dieter Dorsch Date: 12/02/2015
	Det Pord
Signature:	Cara con co

MILLEN, WHETE, ZELANO & BRANIGAN, P.C. ATTORNEYS AT LAW ARLINGTON COURTHOUSE PLAZA 2290 CLARENDON BOBLEVARD | SUITE 1460 (ARLINGTON VA 22201 Telephone: 703.243.6333 | Fax: 703.243.6410

EMARI MARIGINIWALCOM

Effective September 16, 2012

**PATENT REEL: 034985 FRAME: 0478** 

**RECORDED: 02/19/2015**