#### 06/16/2017 504416641

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4463341

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
DETLEF PAULUTH	06/06/2017
KEVIN ADLEM	05/03/2017
OWAIN LLYR PARRI	05/03/2017
RACHEL TUFFIN	05/03/2017
HASSAN ARASI	05/03/2017
PATRICIA EILEEN SAXTON	05/02/2017

## **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:	15536681

## **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 mail@mwzb.com Email:

MILLEN, WHITE, ZELANO & BRANIGAN - AMB **Correspondent Name:** 

Address Line 1: 2200 CLARENDON BLVD.

Address Line 2: **SUITE 1400** 

Address Line 4: ARLINGTON, VIRGINIA 22201

ATTORNEY DOCKET NUMBER:	MERCK-4596
NAME OF SUBMITTER:	AUBREY M. BROOKS
SIGNATURE:	/Aubrey M. Brooks/
DATE SIGNED:	06/16/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

REEL: 042729 FRAME: 0094 504416641

# Total Attachments: 6 source=MERCK-4596\_Formal\_Docs#page1.tif source=MERCK-4596\_Formal\_Docs#page2.tif source=MERCK-4596\_Formal\_Docs#page3.tif source=MERCK-4596\_Formal\_Docs#page4.tif source=MERCK-4596\_Formal\_Docs#page5.tif source=MERCK-4596\_Formal\_Docs#page6.tif

P141273

# 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	BIMESOGENIC COMPOUNDS AND MESOGENIC MEDIA	
As the below nam	ned inventor, I hereby declare that:	
This declaration	The attached application, or	
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The above-identif	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		
all patent(s) listed	Merck Patent GmbH Frankfurter Strasse 250 64293 Darmstadt DE ad 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, lall renewals, reissues, reexaminations and extensions thereof.	
ASSIGNOR hereiright, title and intrand all Letters Parthereof, and in an to accrue with resinvention, SAID including any and which may be graright to sue for darsing from or aprenewals, 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 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, all earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent unted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the unages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise 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 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 ASSIGNOR hereby agrees to execute all papers that may be necessary to file 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.		
	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.	
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	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR	
fine or imprisonm	y acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by sent of not more than five (5) years, or both.	
LEGAL NAME C	Detection Date: 6,6,2017	
Inventor:	ALIP O	
Signature:	Tally T. I p	

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

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I hereby 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 O	E INVENTOR	
	evin ADLEM Date: 03/05/2017	
Signature:	Medin	

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

DOCKET NO.: MERCK-4596

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LEGAL NAME O	FINVENTOR wain Llyr PARRI Date: /?///	
Signature:	Dixin Les Per	

Millen, White, Zelano & Branigan, P.C.
Attorneys at Law
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2200 Clarendon Bouleyard | Suite 1400 | Arlington VA 22201
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LEGAL NAME OF	
Inventor: Ra	ichel TUFFIN Date: 5/5/2014
Signature:	

MILLEN, WHITE, ZELANO & BRANIGAN, P.C. ATTORNEYS AT LAW ARLINGTON COURTHOUSE PLAZA 2200 CLARENDON BOULEVARD | SUITE 1400 | ARLINGTON VA 22201 TELEPHONE: 703.243.63331FAX: 703.243.6410

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LEGAL NAME O	FINVENTOR	
Inventor: H	assan ARASI Date: 03.05.2017	
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 | FAX: 703.243.6410

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**RECORDED: 06/16/2017**