

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4463341

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
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
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MERCK PATENT GMBH
<b>Street Address:</b>	FRANKFURTER STRASSE 250
<b>City:</b>	DARMSTADT
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	64293
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15536681
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)243-6410
<i>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.</i>	
<b>Phone:</b>	703-243-6333
<b>Email:</b>	mail@mwzb.com
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<b>Address Line 2:</b>	SUITE 1400
<b>Address Line 4:</b>	ARLINGTON, VIRGINIA 22201
<b>ATTORNEY DOCKET NUMBER:</b>	MERCK-4596
<b>NAME OF SUBMITTER:</b>	AUBREY M. BROOKS
<b>SIGNATURE:</b>	/Aubrey M. Brooks/
<b>DATE SIGNED:</b>	06/16/2017
This document serves as an Oath/Declaration (37 CFR 1.63).	

PATENT

**Total Attachments: 6**

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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 named inventor, I hereby declare that:

This declaration  The attached application, or  
is directed to:  United States Application or PCT International Application number PCT/EP2015/002505 filed on December 8, 2015

The above-identified 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 DE

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and all patent(s) listed above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, including any and all renewals, reissues, reexaminations and extensions thereof.

NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said invention, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the right to sue for damages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

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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. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR  
Inventor: Dettef PAULUTH Date: 6.6.2017  
Signature: *Dettef Pauluth*

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EMAIL: MAIL@MWZB.COM

DOCKET NO.: MERCK-4596

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**LEGAL NAME OF INVENTOR**

Inventor: Kevin ADLEM

Date: 03/05/2017

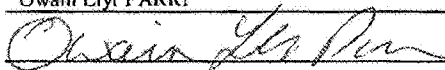
Signature: 

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**PATENT**  
**REEL: 042729 FRAME: 0097**

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<b>This declaration</b>	<input type="checkbox"/> The attached application, or	
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The above-identified 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.		
<b>AND WHEREAS</b>		
<table border="1" style="margin: auto;"> <tr> <td>Merck Patent GmbH Frankfurter Strasse 250 64293 Darmstadt DE</td> </tr> </table>		Merck Patent GmbH Frankfurter Strasse 250 64293 Darmstadt DE
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<b>LEGAL NAME OF INVENTOR</b>		
Inventor:	<u>Owain Llyr PARRI</u> Date: <u>03/05/2017</u>	
Signature:		

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LEGAL NAME OF INVENTOR

Inventor: Rachel TUFFIN

Date: 5/5/2017


Signature: 

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**REEL: 042729 FRAME: 0099**

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<b>LEGAL NAME OF INVENTOR</b>	
Inventor:	<u>Hassan ARASI</u> Date: <u>03.05.2017</u>
Signature:	

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Inventor:	<u>Patricia Eileen SAXTON</u> Date: <u>2<sup>nd</sup> May, 2017</u>
Signature:	<u>P. Saxton</u>

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