#### 503668433 01/28/2016

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3715067

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Lotien Richard Huang	07/23/2011
Thomas A. Barber	07/20/2011
Bruce L. Carvalho	07/21/2011
Ravi Kapur	07/20/2011
Paul Vernucci	07/26/2011
Zihua Wang	07/20/2011

#### **RECEIVING PARTY DATA**

Name:	VERINATA HEALTH, INC
Street Address:	800 SAGINAW DRIVE
City:	REDWOOD CITY
State/Country:	CALIFORNIA
Postal Code:	94063

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14930313

#### **CORRESPONDENCE DATA**

Fax Number: (877)769-7945

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: (214) 747-5070 Email: apsi@fr.com LINDSIE CAHILL **Correspondent Name:** 

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Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	25594-0006004
NAME OF SUBMITTER:	LINDSIE CAHILL
SIGNATURE:	/LINDSIE CAHILL/
DATE SIGNED:	01/28/2016

## **Total Attachments: 18** source=25594- 0006004Inventors to Verinata#page1.tif source=25594- 0006004Inventors to Verinata#page2.tif source=25594- 0006004Inventors to Verinata#page3.tif source=25594-\_0006004Inventors\_to\_Verinata#page4.tif source=25594- 0006004Inventors to Verinata#page5.tif source=25594- 0006004Inventors to Verinata#page6.tif source=25594-\_0006004Inventors\_to\_Verinata#page7.tif source=25594-\_0006004Inventors\_to\_Verinata#page8.tif source=25594- 0006004Inventors to Verinata#page9.tif source=25594-\_0006004Inventors\_to\_Verinata#page10.tif source=25594-\_0006004Inventors\_to\_Verinata#page11.tif source=25594- 0006004Inventors to Verinata#page12.tif source=25594- 0006004Inventors to Verinata#page13.tif source=25594-\_0006004Inventors\_to\_Verinata#page14.tif source=25594-\_0006004Inventors\_to\_Verinata#page15.tif source=25594- 0006004Inventors to Verinata#page16.tif source=25594-\_0006004Inventors\_to\_Verinata#page17.tif source=25594- 0006004Inventors to Verinata#page18.tif

WHEREAS, the undersigned:

Lotien Richard HUANG of Chestnut Hill, Massachusetts; Thomas A. BARBER of Allston, Massachusetts; Bruce L. CARVALHO of Watertown, Massachusetts; Ravi KAPUR of Sharon, Massachusetts; Paul VERNUCCI of Billerica, Massachusetts; and Zihua WANG of Newton, Massachusetts;

(hereinafter "Inventor(s)"), have invented certain new and useful improvements set forth in

"DEVICES AND METHODS FOR ENRICHMENT AND ALTERATION OF CELLS AND OTHER PARTICLES"

for which U.S. Patent Application No. 11/449,149 was filed on June 8, 2006 in the United States Patent Office (hereinafter "Application(s)").

WHEREAS, <u>Verinata Health</u>, <u>Inc.</u>, a corporation of the State of Delaware, having a place of business at <u>1531 Industrial Road</u>, <u>San Carlos</u>, <u>CA 94070</u> (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application(s) and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter "Patent(s)") thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

- 1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said Inventions and said Application(s), including the right to claim priority to said Inventions and said Application(s); (b) in and to all rights to all United States and corresponding non-United States patent applications and Patent(s), including those filed under the Paris Convention for the Protection of Industrial Property. The Patent Cooperation Treaty or otherwise; (c) in and to any and all applications filed and any and all Patent(s) granted on said Inventions in the United States, in any foreign country, or under any international convention, agreement, protocol, or treaty, including each and every application filed and any and all Patent(s) granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); and (d) in and to each and every reissue, reexamination, or extension of any of said Patent(s);
- 2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein

Page 1 of 3 RH

- 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns;
- 4. Said Inventor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith;
- 5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns; and
- 6. This instrument will be interpreted and construed in accordance with the laws of the State of California, without regard to conflict of law principles. If any provision of this instrument is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable to the greatest extent permitted by law. This instrument may be executed in counterparts, each of which is deemed an original, but all of which together constitute one and the same agreement.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below:

<del>H</del>	Date: 7/2	3 , 2011
Lotien Richard HUANG		
	Date:	, 2011
Thomas A. BARBER	***************************************	
	Date:	, 2011
Bruce L. CARVALHO		

,	Date:	, 2011
Ravi KAPUR	,	
Paul VERNUCCI	Date:	, 2011
Zihua WANG	Date:	, 2011
•		
RECEIVED AND AGREED TO BY ASSIGNEE:	•	
By Mu I. Kese	Date: Ausu	57   2011

Name: Norman/J. Kruse
Title: Assistant Secretary, Verinata Health, Inc.

WHEREAS, the undersigned:

Lotion Richard HUANG of Chestnut Hill, Massachusetts; Thomas A. BARBER of Allston, Massachusetts; Bruce L. CARVALHO of Watertown, Massachusetts; Ravi KAPUR of Sharon, Massachusetts; Paul VERNUCCI of Billerica, Massachusetts; and Zihua WANG of Newton, Massachusetts:

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	Date:		<u> 201</u>
Homas A. BARBER	Date: July	20 .	2011
Bruco L CADVALHO	Date:		<u> 201 </u>

	Date:		2011
Ravi KAPUR		,	
	Date:		2011
Paul VERNUCCI			
	Date:		2011
Zihua WANG			
RECEIVED AND AGREED TO BY ASSIGNEE:			
- 1 / / · · ·	_ <	A c+ 1 .	
By: Name: Norman J. Kruse	Date:	1778m1 1	2011
Title: Assistant Secretary, Verinata Health, Inc.			

WHEREAS, the undersigned:

Lotien Richard HUANG of Chestnut Hill, Massachusetts; Thomas A. BARBER of Allston, Massachusetts; Bruce L. CARVALHO of Watertown, Massachusetts; Ravi KAPUR of Sharon, Massachusetts; Paul VERNUCCI of Billerica, Massachusetts; and Zihua WANG of Newton, Massachusetts;

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	Date:		, 2011
Ravi KAPUR			
	Date:	,	, 2011
Paul VERNUCCI			
	Date:		. 2011
Zihua WANG			
RECEIVED AND AGREED TO BY ASSIGNEE:		t	
By: Vin A Kire	Date:	August	, 2011
Name: Norman J. Kruse	Dute.	1106	.,
Title: Assistant Secretary, Verinata Health, Inc.		,	

WHEREAS, the undersigned:

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	Date:	, 2011
Lotien Richard HUANG		
	Date:	, 2011
Thomas A. BARBER	,	
	Date:	, 2011
Bruce L. CARVALHO		

Ravi KAPUR	Date:	Ily 20 ,2011
Paul VERNUCCI	Date:	, 2011
Zihua WANG	Date:	
RECEIVED AND AGREED TO BY ASSIGNEE:  By:  Name: Norman J. Kruse  Title: Assistant Secretary, Verinata Health, Inc.	Date:	20, July, 2011

WHEREAS, the undersigned:

Lotien Richard HUANG of Chestnut Hill, Massachusetts; Thomas A. BARBER of Allston, Massachusetts; Bruce L. CARVALHO of Watertown, Massachusetts; Ravi KAPUR of Sharon, Massachusetts; Paul VERNUCCI of Billerica, Massachusetts; and Zihua WANG of Newton, Massachusetts;

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Lotien Richard HUANG	-	
	Date:	, 2011
Thomas A. BARBER		
	Date:	, 2011
Bruce L. CARVALHO		

	Date:			20	011
Ravi KAPUR Paul VERNUCCI	Date:	<u>O</u> J,	26	, 2	<u>011</u>
	Date:			, 2	011
Zihua WANG		t			
RECEIVED AND AGREED TO BY ASSIGNEE:  By:  Name: Norman J. Kruse  Title: Assistant Secretary, Verinata Health, Inc.	Date:	Augu	\ <del>ና</del> ት	, 2	011

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<u>.</u>	Date:	, 20	11
Ravi KAPUR		***************************************	
	Date:	. 20	211
Paul VERNUCCI		,	
<u> </u>	Date: <u>2-0</u>	July , 20	<u>)11</u>
Zihua WANG		*	
and the second of the second o		•	
RECEIVED AND AGREED TO BY ASSIGNEE:			
The A Had	***	714	
By:	Date: 20	J~\/	<u> 111</u>
Name: Norman J. Kruse/		(	
Title: Assistant Secretary, Verinata Health, Inc.			