

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT												
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Execution date of Assignor GRACE DESANTIS from 10/01/2003 to 10/10/2003 previously recorded on Reel 026563 Frame 0841. Assignor(s) hereby confirms the Assignment of Assignor's Interest to Verenium Corporation..												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>MARK J. BURK</td> <td>10/10/2003</td> </tr> <tr> <td>GRACE DESANTIS</td> <td>10/10/2003</td> </tr> <tr> <td>BRIAN MORGAN</td> <td>10/10/2003</td> </tr> <tr> <td>ZOULIN ZHU</td> <td>10/10/2003</td> </tr> <tr> <td>DIVERSA CORPORATION</td> <td>06/20/2007</td> </tr> </tbody> </table>		Name	Execution Date	MARK J. BURK	10/10/2003	GRACE DESANTIS	10/10/2003	BRIAN MORGAN	10/10/2003	ZOULIN ZHU	10/10/2003	DIVERSA CORPORATION	06/20/2007
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CORRESPONDENCE DATA													
<p>Fax Number: 8584317271  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (858) 431-8585        Email: ip@verenium.com        Correspondent Name: Verenium Corporation        Address Line 1: 3550 John Hopkins Court        Address Line 2: IP Department        Address Line 4: San Diego, CALIFORNIA 92121</p>													
ATTORNEY DOCKET NUMBER:	D1440-14USD1 (CORRECTED)												

PATENT

NAME OF SUBMITTER:	Rick de la Torre
Signature:	/Rick de la Torre/
Date:	08/26/2013
<p>Total Attachments: 11</p> <p>source=Assignment_D1440-14US#page1.tif</p> <p>source=Assignment_D1440-14US#page2.tif</p> <p>source=Assignment_D1440-14US#page3.tif</p> <p>source=Assignment_D1440-14US#page4.tif</p> <p>source=Assignment_D1440-14US#page5.tif</p> <p>source=Assignment_D1440-14US#page6.tif</p> <p>source=2011-07-11 - USPTO - Notice of Recordation of Assignment (D1440-14USD1)#page1.tif</p> <p>source=2011-07-11 - USPTO - Notice of Recordation of Assignment (D1440-14USD1)#page2.tif</p> <p>source=2011-07-11 - USPTO - Notice of Recordation of Assignment (D1440-14USD1)#page3.tif</p> <p>source=2011-07-11 - USPTO - Notice of Recordation of Assignment (D1440-14USD1)#page4.tif</p> <p>source=2011-07-11 - USPTO - Notice of Recordation of Assignment (D1440-14USD1)#page5.tif</p>	

ASSIGNMENT

For valuable consideration, we, MARK J. BURK of 12634 Intermezzo Way, San Diego, CA 92130, GRACE DESANTIS of 3520 Lebon Drive, Apt. 5223, San Diego, CA 92121, BRIAN MORGAN of 4849 Riding Ridge Rd., San Diego, CA 92130, ZOULIN ZHU of 13718 Sorbonne Ct., San Diego, CA 92128, hereby assign to: Diversa Corporation, a Delaware corporation having a place of business at:

4955 Directors Place  
San Diego, CA 92121-1609

and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the invention(s) and improvement(s) which are subject of an application for United States Patent signed by us entitled, PROCESSES FOR MAKING (R)-ETHYL 4-CYANO-3-HYDROXYBUTYRIC ACID, filed June 13, 2003, and assigned U.S. Serial Number 10/461,925; and we authorize and request the attorney(s) appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of future related applications when known and to insert on this Assignment any further identification, including any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document; and we authorize and request the attorney(s) appointed in said application to hereafter insert the filing date(s) and serial number(s) of related continuations, divisionals, continuations-in-part (CIPs), reissues, re-examinations, and international applications when known. This assignment includes the application(s) cited herein and any and all related United States patent applications, including divisionals, reissues, re-examinations, continuations, CIPs, any and all United States and foreign patents, utility models, and design registrations granted for any of said invention(s) or improvement(s), and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our names or in its own name for patents, utility models, design registrations and like rights of exclusion and for

PATENT  
REEL: 014124 FRAME: 0977

PATENT  
REEL: 031086 FRAME: 0680

Attorney Docket No: 09010-270001  
United States Patent Application No. 10/461,925  
Assignment  
Page 2 of 2

inventors' certificates for said invention(s) and improvement(s); and we agree for ourselves and our respective heirs, legal representatives, successors and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at San Diego  
this 10<sup>th</sup> day of October, 2003  
Mark J. Burk L.S.  
MARK J. BURK

IN WITNESS WHEREOF, I hereto set my hand and seal at San Diego  
this 10<sup>th</sup> day of Oct, 2003  
Grace Desantis L.S.  
GRACE DESANTIS

IN WITNESS WHEREOF, I hereto set my hand and seal at San Diego  
this 10<sup>th</sup> day of Oct, 2003  
Brian Morgan L.S.  
BRIAN MORGAN

IN WITNESS WHEREOF, I hereto set my hand and seal at San Diego  
this 10<sup>th</sup> day of Oct, 2003  
Zoulin Zhu L.S.  
ZOULIN ZHU

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RECORDED: 11/13/2003

PATENT  
REEL: 011271 FRAME: 0978  
REEL: 031086 FRAME: 0681

# Delaware

PAGE 1

*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"SUBVERDAY, INC.", A DELAWARE CORPORATION,  
WITH AND INTO "DIVERSA CORPORATION" UNDER THE NAME OF  
"VERENIUM CORPORATION", A CORPORATION ORGANIZED AND EXISTING  
UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED  
IN THIS OFFICE THE TWENTIETH DAY OF JUNE, A.D. 2007, AT 3:54  
O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE  
NEW CASTLE COUNTY RECORDER OF DEEDS.

2319755 8100M

070731892



*Harriet Smith Windsor*  
Harriet Smith Windsor, Secretary of State  
AUTHENTICATION: 5777755

DATE: 06-20-07

PATENT  
REEL: 031086 FRAME: 0682

**CERTIFICATE OF OWNERSHIP AND MERGER  
MERGING**

**SUBVERDAY, INC.**  
**(a Delaware corporation)**

**INTO**  
**DIVERSA CORPORATION**  
**(a Delaware corporation)**

**(Pursuant to Section 253 of the Delaware  
General Corporation Law)**

Diversa Corporation, a Delaware corporation (the "**Corporation**"), which is organized and existing under and by virtue of the Delaware General Corporation Law (the "**DGCL**"), does hereby certify that:

**FIRST:** The name and state of incorporation of each of the constituent corporations of the merger is as follows:

<u>Name</u>	<u>State of Incorporation</u>
Diversa Corporation	Delaware
Subverday, Inc.	Delaware

**SECOND:** The Corporation owns one hundred percent (100%) of the outstanding shares of each class of the capital stock of Subverday, Inc., a Delaware corporation (the "**Subsidiary**").

**THIRD:** The Corporation, by the following resolutions of its Board of Directors (the "**Board**") duly adopted by the Board on June 19, 2007, determined to merge into itself the Subsidiary on the conditions set forth in such resolutions:

**WHEREAS,** the Corporation is the legal and beneficial owner of all of the outstanding shares of capital stock of the Subsidiary;

**WHEREAS,** the Board of Directors of the Corporation (the "**Board**") considers it to be in the best interests of the Corporation to merge the Subsidiary with and into the Corporation pursuant to Section 253 of the DCGL (the "**Merger**"); and

**WHEREAS,** in connection with the Merger, the Board believes it is in the best interests of the Corporation to change the name of the Corporation to "Verenium Corporation";

**RESOLVED,** that the Board approves the Merger pursuant to the following terms:

1. upon the effectiveness of the Merger, each outstanding share of capital stock of the Subsidiary shall cease to be outstanding, without any payment being made in respect thereof;
2. the Corporation shall be the surviving corporation in the Merger and shall assume all of the liabilities and obligations of the Subsidiary; and
3. upon effectiveness of the Merger, the name of the Corporation shall be changed to "Verenium Corporation";

**RESOLVED FURTHER**, that the proper officers of the Corporation be, and they hereby are, directed (i) to make and execute a Certificate of Ownership and Merger meeting the requirements of Section 253 of the DGCL (the "*Certificate of Ownership and Merger*") and setting forth a copy of these resolutions to so merge the Subsidiary with and into the Corporation and providing for the Corporation to assume the Subsidiary's obligations on the date of adoption thereof, and to cause the same to be filed with the Secretary of State of the State of Delaware; and (ii) to do all acts and things whatsoever, whether within or without the State of Delaware, which may be necessary or proper to effect the Merger; and

**RESOLVED FURTHER**, that the Merger shall become effective upon the filing of the Certificate of Ownership and Merger with the Secretary of State of the State of Delaware.

**FOURTH:** The Corporation shall be the surviving corporation in the Merger. Upon the effectiveness of the filing of this Certificate of Ownership and Merger, the Corporation will change its name to "Verenium Corporation".

**FIFTH:** The Certificate of Incorporation of the Corporation shall be the Certificate of Incorporation of the surviving corporation.

**SIXTH:** This Certificate of Ownership and Merger shall be effective upon filing.

**IN WITNESS WHEREOF**, this Certificate of Ownership and Merger is hereby executed on behalf of the Corporation by an officer thereunto duly authorized as of June 20, 2007.

**DIVERSA CORPORATION**  
a Delaware corporation

By: /s/Edward T. Shonsey  
Edward T. Shonsey  
Chief Executive Officer



TO: VERENIUM CORPORATION COMPANY: P.O. BOX 910550

## PATENT ASSIGNMENT

Electronic Version v1.1  
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Phone: 858-431-8585													
Email: rick.delatorre@verenium.com													
Correspondent Name: Verenium Corporation													
Address Line 1: P.O.Box 910550													
Address Line 2: Intellectual Property Department													
Address Line 4: San Diego, CALIFORNIA 92191-0550													
ATTORNEY DOCKET NUMBER:	D1440-14USD1 INV-DVSA-VRN												
NAME OF SUBMITTER:	Rick de la Torre												

CH \$40.00 13053404

TO: VERENIUM CORPORATION COMPANY: P.O. BOX 910550

**Total Attachments: 6**

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