

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT										
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Execution date for Analia Bueno from 08/04/2007 to 08/04/2009 previously recorded on Reel 023066 Frame 0737. 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>David Weiner</td> <td>08/04/2009</td> </tr> <tr> <td>Peter Luginbuhl</td> <td>08/04/2009</td> </tr> <tr> <td>Analia Bueno</td> <td>08/04/2009</td> </tr> <tr> <td>Joslin Cuenca</td> <td>08/04/2009</td> </tr> </tbody> </table>		Name	Execution Date	David Weiner	08/04/2009	Peter Luginbuhl	08/04/2009	Analia Bueno	08/04/2009	Joslin Cuenca	08/04/2009
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David Weiner	08/04/2009										
Peter Luginbuhl	08/04/2009										
Analia Bueno	08/04/2009										
Joslin Cuenca	08/04/2009										
RECEIVING PARTY DATA											
Name:	Verenium Corporation										
Street Address:	4955 Directors Place										
City:	San Diego										
State/Country:	CALIFORNIA										
Postal Code:	92121-1609										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>PCT Number:</td> <td>US0888675</td> </tr> </tbody> </table>		Property Type	Number	PCT Number:	US0888675						
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CORRESPONDENCE DATA											
Fax Number:	(858)526-5796										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	858-526-5296										
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:	D1240-13WO (CORRECTED)										

CH \$40.00 US0888675

500933532

**PATENT
 REEL: 023076 FRAME: 0515**

NAME OF SUBMITTER:

Rick de la Torre

Total Attachments: 9

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

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.108/07/2009
500931271

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
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<table border="1"> <tr> <td>Name:</td> <td>Verenium Corporation</td> </tr> <tr> <td>Street Address:</td> <td>4855 Directors Place</td> </tr> <tr> <td>City:</td> <td>San Diego</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>92121-1809</td> </tr> </table>		Name:	Verenium Corporation	Street Address:	4855 Directors Place	City:	San Diego	State/Country:	CALIFORNIA	Postal Code:	92121-1809
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Phone:	858-528-5298										
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ATTORNEY DOCKET NUMBER:	D1240-13WO - INVS-VRNM										
NAME OF SUBMITTER:	Rick de la Torre										

CH \$40.00 US0888675

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

Total Attachments: 7

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This Assignment effective the 31st day of December, 2008.

ASSIGNMENT

This Assignment by:

David WEINER, of 13416 Portofino Drive, Del Mar, California 92014, United States of America;

Peter LUGINBUHL, of 12802 Calle de la Siena, San Diego, California, 92130, United States of America;

Analia BUENO, of 4498 Ocean View Boulevard, San Diego, California, 92113, United States of America;

and

Joslin CUENCA, of 8847 Spectrum Center Boulevard #6116, San Diego, California, 92123, United States of America;

(hereinafter referred to as the "Assignors"), witnesseth:

WHEREAS, said Assignors have invented certain new and useful inventions and/or improvements (hereinafter referred to as the "Inventions") set forth in and the subject of

an International Patent Application under the Patent Cooperation Treaty (PCT), which includes a designation of the United States of America, naming the Assignors listed above as inventors, entitled

TRANSFERASES AND OXIDOREDUCTASES, NUCLEIC ACIDS ENCODING THEM AND METHODS FOR MAKING AND USING THEM

filed in a competent PCT receiving office as International Application Number PCT/US2008/088675 on December 31, 2008,

identified by attorney docket number **D1240-13WO**;

WHEREAS,

VERENIUM CORPORATION (previously named Diversa Corporation), a corporation duly organized under and pursuant to the laws of the state of Delaware, and having a mailing address and a place of business at 4955 Directors Place, San Diego, California 92121-1609, United States of America, and corporate headquarters at 55 Cambridge Parkway, Cambridge, Massachusetts 02142, United States of America,

is desirous of acquiring the entire right, title and interest throughout the world in and to

said Inventions;

said International Patent Application;

any national or regional phase patent applications from said patent application (including applications under the European Patent Convention and national patent applications in the United States of America (including any nonprovisional applications converted to provisional applications, divisionals, continuations and continuations-in-part of said applications), or any other patent applications claiming the benefit of priority of said application),

any Letters Patent issued or granted from said patent applications by any national, regional or international patent-granting authority, including the United States Patent and Trademark Office, (including any reexamination and reissue applications of said Letters Patent, and any continuations or divisionals of said reexamination or reissue applications); and

all Convention or Treaty rights arising from said inventions, patent applications or Letters Patent, including without limitation, all rights under the Paris Convention for the Protection of Industrial Property, as currently revised and amended (including utility model and design protection);

NOW, THEREFORE, in consideration of good, valuable and sufficient consideration, the receipt of which is hereby acknowledged,

said Assignors have and by these presents do sell, assign, transfer and set over unto Verenum Corporation, its successors, legal representatives and assigns (hereinafter collectively referred to as the "Assignee"), the entire and exclusive right, title and interest throughout the world in and to said Inventions, said patent applications, any said Letters Patent, and said related rights to be vested, held, enjoyed by and for the use of said Assignee, to the full end of the terms for which each of said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by said Assignors, had this Assignment not been made;

AND for the same consideration, said Assignors hereby covenant and agree to and with said Assignee that,

said Assignors are the sole and lawful owners of the entire right, title and interest throughout the world in and to said Inventions, said patent applications, any said Letters Patent; and that the same are unencumbered and that said Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, said Assignors hereby covenant and agree to and with said Assignee, that whenever counsel of said Assignee shall advise that any proceeding in connection with said Inventions, patent applications, Letters Patent and related rights (including interference proceedings) is lawful and desirable,

to effectuate fully this Assignment, said Assignors shall sign all papers and documents, take all lawful oaths and do all acts necessary or required for the procurement, maintenance, enforcement or defense of said Letters Patent (including further reissue applications, assignments and preliminary statements) and to fully and properly vest, perfect, record and maintain the rights and title in said Letters Patent, without charge by said Assignors to said Assignee, but at reasonable cost and expense to said Assignee.

If for any reason said Assignee is unable to secure an Assignor's signature to any papers or documents described in the immediately preceding section, each Assignor hereby irrevocably designates and appoints said Assignee and its representatives as said Assignor's agents and attorneys-in-fact to execute said papers or documents on behalf and instead of said Assignor, all with the same legal force and effect as if executed by said Assignor.

Each Assignor hereby authorizes the Assignee to apply in all countries and patent-granting authorities in each Assignor's name or in the name of the Assignee for said patent applications and said related rights.

The Assignors hereby request and authorize the Assignee or the Assignee's authorized representatives in the United States or abroad to complete hereafter this Assignment by inserting, as needed, the serial numbers, filing dates, patent numbers, or grant dates for the applications or patents identified above, and to correct any clerical errors that may be necessary or desirable to record this Assignment.

The Assignors hereby request the Commissioner of Patents and/or the Director of the U.S. Patent and Trademark Office to issue said Letters Patent of the United States of America to said Assignee for the sole use of said Assignee.

This Assignment constitutes the entire agreement with respect to its subject matter and supersedes any prior or contemporaneous oral or written agreements concerning said subject matter. This Assignment shall be governed in all respects by the laws of the United States and the laws of the state of California. Each of the parties irrevocably consents, jointly and severally, to personal jurisdiction of the federal and state courts located in California.

This Assignment may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such counterparts shall together constitute but one and the same document.

[signature page follows]

EXECUTION OF ASSIGNMENT

In witness whereof, I hereto set my hand and seal at San Diego, California,
(city, state where executed)

this 4th day of August, 2009
(date) (month) (year)

[Signature]
David WEINER

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

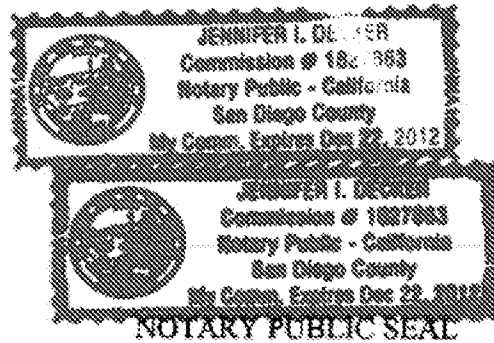
State of California)
County of San Diego)

On August 4, 2009, before me, JENNIFER I DECKER, Notary Public, personally appeared David Weiner, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person or the entity upon behalf of which the person acted, execute the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[Signature]
Notary Public Signature



EXECUTION OF ASSIGNMENT

In witness whereof, I hereto set my hand and seal at San Diego, California,
(city, state where executed)

this 4 day of August, 2009
(date) (month) (year)

P. Luginbuhl
Peter LUGINBUHL

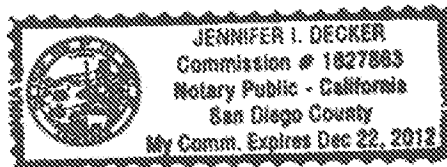
CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California }
County of San Diego }

On August 4, 2009, before me, JENNIFER I. DECKER, Notary Public, personally appeared Peter Luginbuhl, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person or the entity upon behalf of which the person acted, execute the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Jennifer I. Decker
Notary Public Signature

NOTARY PUBLIC SEAL

EXECUTION OF ASSIGNMENT

In witness whereof, I hereto set my hand and seal at San Diego, California,
(city, state where executed)

this 4 day of August, 2009
(date) (month) (year)

Analia Bueno
Analia BUENO

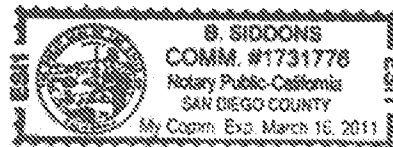
CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California }
County of San Diego }

On August 4, 2009, before me, B. Siddons, Notary Public, personally appeared Analia Bueno, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person or the entity upon behalf of which the person acted, execute the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



B. Siddons
Notary Public Signature

NOTARY PUBLIC SEAL

EXECUTION OF ASSIGNMENT

In witness whereof, I hereto set my hand and seal at San Diego, California,
(city, state where executed)

this 4th day of August, 2009
(date) (month) (year)

Joshin Cuenca
Joshin CUENCA

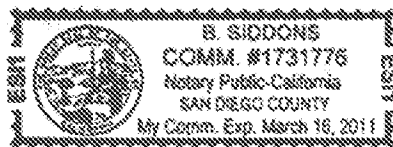
CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California }
County of San Diego }

On August 4, 2009, before me, B. Siddons, Notary Public, personally appeared Joshin Cuenca, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person or the entity upon behalf of which the person acted, execute the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



B. Siddons
Notary Public Signature

NOTARY PUBLIC SEAL