

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Kelvin Wong	02/07/2013
RECEIVING PARTY DATA	
Name:	Verenium Corporation
Street Address:	3550 John Hopkins Court
City:	San Diego
State/Country:	CALIFORNIA
Postal Code:	92121
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13765039
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	39649-00
NAME OF SUBMITTER:	Janene Valdez
Total Attachments: 4 source=39649-00-Assign_Inv-VRNM#page1.tif source=39649-00-Assign_Inv-VRNM#page2.tif source=39649-00-Assign_Inv-VRNM#page3.tif source=39649-00-Assign_Inv-VRNM#page4.tif	

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PATENT

This Assignment effective 07-February-2013

ASSIGNMENT

This Assignment by:

Kelvin Wong, of 3550 John Hopkins Court, San Diego, California 92121, United States of America; (hereinafter referred to as the “**Assignor**”);

WHEREAS, the Assignor has invented certain new and useful inventions and/or improvements (hereinafter referred to as the “**Inventions**”) set forth in and the subject of

METHODS FOR DETOXIFYING A LIGNOCELLULOSIC HYDROLYSATE

identified as Slupska, Malgorzata
Attorney Docket 39649-00

naming the Assignor listed above as inventor (hereinafter referred to as the “**Patent Application**”);

WHEREAS,

VERENIUM 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 3550 John Hopkins Court, San Diego, California 92121, United States of America is desirous of acquiring the entire right, title and interest throughout the world in and to:

the Inventions,

the Patent Application,

any national or regional phase patent applications arising from the Inventions or Patent Application, including, but not limited to, applications under the European Patent Convention and national patent applications in the United States of America, including, any provisional applications converted to nonprovisional applications, divisionals, continuations, and continuations-in-part applications, or any other patent applications claiming the benefit of priority of the Patent Application (hereinafter collectively referred to with the Patent Application as the “**Patent Applications**”),

any letters patents issued or granted from the 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 the letters patents, and any divisionals, continuations, or continuations-in-part applications of such reexamination or reissue applications (hereinafter referred to as the “**Letters Patents**”), and

all convention or treaty rights arising from the Inventions, Patent Applications, or Letters Patents, including without limitation, all rights under the Paris Convention for the Protection of

Industrial Property, as currently revised and amended, including, but not limited to, utility model and design protection.

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

the Assignors have and by these presents do sell, assign, transfer, and set over unto **VERENIUM 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 the Inventions, Patent Applications, Letters Patents, and related rights to be vested, held, enjoyed by and for the use of the Assignee, to the full end of the terms for which each of Letters Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the Assignors had this Assignment not been made;

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

Assignee is the sole and lawful owner of the entire right, title, and interest throughout the world in and to the Inventions, Patent Applications, any Letters Patents; and that the same are unencumbered and that the Assignee has good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, that whenever counsel of the Assignee shall advise that any proceeding in connection with the Inventions, Patent Applications, Letters Patents, and related rights, including any proceeding before the USPTO, is lawful and desirable, to effectuate fully this Assignment,

the 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 the Letters Patents including further reissue applications, assignments, and preliminary statements, and to fully and properly vest, perfect, record, and maintain the rights and title in the Letters Patents, without charge by the Assignors to the Assignee, but at reasonable cost and expense to the Assignee.

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

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

Assignor hereby requests and authorizes 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 or the Director of the U.S. Patent and Trademark Office to issue Letters Patents of the United States of America to the Assignee for the sole use of the Assignee.

This Assignment constitutes the entire agreement with respect to its subject matter and supersedes any prior or contemporaneous oral or written agreements concerning the 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.

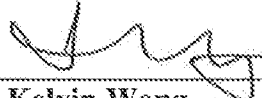
This Assignment may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such counterparts shall together constitute but one and the same document.

[Execution Page to Follow]

EXECUTION OF ASSIGNMENT

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

this 7th day of February 2013.


Kelvin Wong

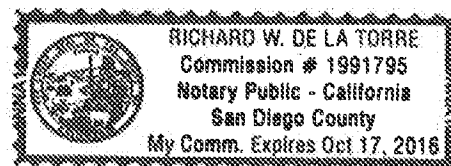
CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

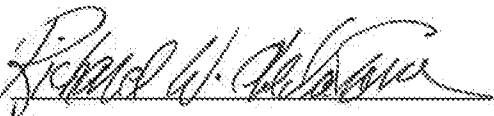
State of CALIFORNIA)
County of SAN DIEGO)

On February 07, 2013, before me, Richard W. de la Torre, Notary Public, personally appeared Kelvin Wong, 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, executed 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.





Richard W. de la Torre

NOTARY PUBLIC SEAL