

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>William M Lafferty</td> <td>11/07/2007</td> </tr> <tr> <td>Scott Beaver</td> <td>10/31/2007</td> </tr> <tr> <td>Charles W Tweedy</td> <td>10/31/2007</td> </tr> <tr> <td>Walter J Frandsen Jr</td> <td>10/31/2007</td> </tr> <tr> <td>Elizabeth A George</td> <td>11/03/2007</td> </tr> </tbody> </table>		Name	Execution Date	William M Lafferty	11/07/2007	Scott Beaver	10/31/2007	Charles W Tweedy	10/31/2007	Walter J Frandsen Jr	10/31/2007	Elizabeth A George	11/03/2007
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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" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11835986</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11835986								
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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:	8585265296												
Email:	brian.siddons@verenium.com												
Correspondent Name:	Verenium Corporation												
Address Line 1:	Intellectual Property Department												
Address Line 2:	P.O. Box 910550												
Address Line 4:	San Diego, CALIFORNIA 92121												
ATTORNEY DOCKET NUMBER:	D2420-01US INVS TO VRNM												
NAME OF SUBMITTER:	Brian W Siddons												

CH \$40.00 11835986

Total Attachments: 7

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ASSIGNMENT

THIS ASSIGNMENT, by

William M. LAFFERTY

1456 Sanford Lane, Encinitas, California 92024, USA

Scott BEAVER

969 Fortune Road, San Diego, California 92078, USA,

Charles W. TWEEDY

7728 Goldfish Way, San Diego, California 92129, USA,

Walter J. FRANSEN, Jr.

17562 Rancho Suenos, Ramona, California 92065, USA, and

Elizabeth A. GEORGE

4598 68th Street, La Mesa, California 91941, USA;

(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

a United States patent application, naming the Assignors listed above as inventors, entitled

SYSTEM FOR SAMPLING AND TRACKING PLANT MATERIAL

Filed August 8, 2007, as Serial No. 11/835,986,

and identified by attorney docket number D2420-01US;

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, and corporate headquarters at 55 Cambridge Parkway, Cambridge, Massachusetts 02142,

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

said Inventions;

said United States patent application;

any 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 related rights arising from said inventions, patent applications or Letters Patent 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 Diversa 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, at the time of execution and delivery to said Assignee of these presents,

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.

Ser. 11/835,986

D2420-01US

This Assignment executed and dated by the Assignors as follows:

 <hr/> William M. Lafferty	<hr/> 11/7/07 date signed
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<hr/> Scott Beaver	<hr/> date signed
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<hr/> Charles W. Tweedy	<hr/> date signed
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<hr/> Walter J. Frandsen, Jr.	<hr/> date signed
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<u>Scott Beaver</u>	<u>date signed</u>
<u>Charles W. Tweedy</u>	<u>date signed</u>
<u><i>Walter J. Franzen, Jr.</i></u> Walter J. Franzen, Jr.	<u>10/31/07</u> date signed
<u>Elizabeth A. George</u>	<u>date signed</u>

