

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Nelson R. Barton	12/04/2008
Michelle H. Cayouette	05/26/2008
Amy McClure	12/22/2008
Mark Dycalco	05/12/2008
Connie Jo Hansen	05/27/2008
Nahla M. Aboushadi	05/18/2008
Justin T. Stege	05/13/2008
Svetlana Gramatikova	05/14/2008
May Sun	09/04/2008

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

Property Type	Number
Application Number:	10530643

CORRESPONDENCE DATA

Fax Number: (858)526-5796

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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

CH \$40.00 10530643

500751985

PATENT
REEL: 022093 FRAME: 0423

Address Line 4: San Diego, CALIFORNIA 92191-0550

ATTORNEY DOCKET NUMBER:

D1160N - INVS - VRNM

NAME OF SUBMITTER:

Brian W. Siddons

Total Attachments: 12

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This Assignment effective the 10th day of October 2003.

ASSIGNMENT

This Assignment by:

Nelson R. BARTON, of 10928 Sunset Ridge Drive, San Diego, California 92131, United States of America;

Michelle H. CAYOUETT**E**, of 3812 Park Boulevard #505, San Diego, California 92103, United States of America;

Amy MCCLURE, of 4026 Donna Avenue, San Diego, California 92115, United States of America;

Mark DYCAICO, of 14208 La Trucha Street, San Diego, California 92129, United States of America;

Connie Jo HANSEN, of 3645 Gayle Street, San Diego, California, 92115, United States of America;

Nahla M. ABOUSHADI, of 6218 Columbia Falls Lane, Katy Texas 77450, United States of America;

Justin T. STEGE, of 11355 Denning Place, San Diego, California 92126, United States of America;

Svetlana GRAMATIKOVA, of 9369 Adolphia Street, San Diego, California 92129, United States of America;

and

May SUN, of 15884 Camino Codorniz, San Diego, California 92127, 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

a United States Patent Application, naming the Assignors listed above as inventors, entitled

PROTEASES, NUCLEIC ACIDS ENCODING THEM AND METHODS FOR MAKING AND USING THEM

filed as Application Number **10/530,643** on **April 7, 2006**, published as US 2006/0259995 on November 16, 2006,

identified by attorney docket number **D1160N**;

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

PROTEASES, NUCLEIC ACIDS ENCODING THEM AND METHODS FOR MAKING AND USING THEM

filed in a competent PCT receiving office as International Application Number **PCT/US2003/032819** on **October 10, 2003**, and later published as International Publication Number **WO 2004/033668** on **April 22, 2004**,

identified by attorney docket number **D1160WO**;

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 United States Patent Application;

said International Patent Application;

any national or regional phase patent applications from said patent applications (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 applications), and specifically including applications filed in the following countries or regions:

Country	Application Number	Attorney Docket Number
Australia	2003287105	(D1160AU)
Brazil	PI0314558-1	(D1160BR)
Canada	2,501,645	(D1160CA)
Chile	0809-2005	(D1160CL)

Country	Application Number	Attorney Docket Number
China	200380104708.1	(D1160CN)
European Patent Office	03777629.1	(D1160EP)
Hong Kong	05109016.6	(D1160HK)
India	00395MUMNP2005	(D1160IN)
Japan	2005-501186	(D1160JP)
Republic of Korea	1020057006212	(D1160KR)
Mexico	PA/a/2005/003763	(D1160MX)
Malaysia	PI20051541	(D1160MY)
New Zealand	539845	(D1160NZ)
Vietnam	1-2005-00630	(D1160VN)

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

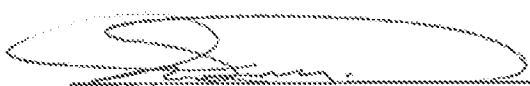
In witness whereof, I hereto set my hand and seal at SAN DIEGO, CA
(city, state where executed)
this 4 day of DECEMBER, 2008.

Nelson R. BARTON

In witness whereof, I hereto set my hand and seal at _____
(city, state where executed)
this _____ day of _____, 2008.

Michelle H. CAYOQUETTE

In witness whereof, I hereto set my hand and seal at _____
(city, state where executed)
this _____ day of _____, 2008.

Amy MCCLURE

In witness whereof, I hereto set my hand and seal at San Diego, Ca
(city, state where executed)
this 12th day of May, 2008.

Mark DAYCAICO

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

this _____ day of _____, 2008.

Connie Jo HANSEN


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

this _____ day of _____, 2008.

Nabla M. ABOUSHADI

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

this 13 day of May, 2008.


Justin T. STEGE

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

this _____ day of _____, 2008.

Svetlana GRAMATIKOVA

EXECUTION OF ASSIGNMENT

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

this _____ day of _____, 2008.

Nelson R. BARTON

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

this 26th day of May, 2008.

Michelle H. CAYOUE

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

this _____ day of _____, 2008.

Amy MCCLURE

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

this _____ day of _____, 2008.

Mark DAYCAICO

EXECUTION OF ASSIGNMENT

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

this _____ day of _____, 2008.

Nelson R. BARTON

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

this _____ day of _____, 2008.

Michelle H. CAYOUE

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

this 22nd day of December, 2008.

Amy McClure
Amy MCCLURE

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

this _____ day of _____, 2008.

Mark DAYCAICO

In witness whereof, I hereto set my hand and seal at San Diego,
(city, state where executed)
this 27th day of May, 2008.
Connie Jo HANSEN

In witness whereof, I hereto set my hand and seal at _____,
(city, state where executed)
this _____ day of _____, 2008.
Nahla M. ABOUSHADI

In witness whereof, I hereto set my hand and seal at _____,
(city, state where executed)
this _____ day of _____, 2008.
Justin T. STEGE

In witness whereof, I hereto set my hand and seal at _____,
(city, state where executed)
this _____ day of _____, 2008.
Svetlana GRAMATIKOVA

In witness whereof, I hereto set my hand and seal at _____,

(city, state where executed)

this _____ day of _____, 2008.

Connie Jo HANSEN

In witness whereof, I hereto set my hand and seal at _____,

(city, state where executed)

this 18th day of May, 2008.

Nahla M. ABOUSHADI

In witness whereof, I hereto set my hand and seal at _____,

(city, state where executed)

this _____ day of _____, 2008.

Justin T. STEGE

In witness whereof, I hereto set my hand and seal at _____,

(city, state where executed)

this _____ day of _____, 2008.

Svetlana GRAMATIKOVA

In witness whereof, I hereto set my hand and seal at _____,
(city, state where executed)
this _____ day of _____, 2008.

Connie Jo HANSEN

In witness whereof, I hereto set my hand and seal at _____,
(city, state where executed)
this _____ day of _____, 2008.

Nahla M. ABOUSHADI

In witness whereof, I hereto set my hand and seal at _____,
(city, state where executed)
this _____ day of _____, 2008.

Justin T. STEGE

In witness whereof, I hereto set my hand and seal at San Diego California,
(city, state where executed)
this 14 day of May, 2008.

Svetlana GRAMATIKOVA

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

this 4th day of September, 2008.

May SUN