

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Gehard FREY	09/14/2007
Bruce E. KIMMEL	09/17/2007
Abraham ANDERSON	09/14/2007
RECEIVING PARTY DATA	
Name:	Verenium Corporation
Street Address:	4955 Directors Place
City:	San Diego
State/Country:	CALIFORNIA
Postal Code:	92121-1609
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	11855943
PCT Number:	US0778568
CORRESPONDENCE DATA	
Fax Number:	(858)720-5125
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	858-720-5133
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Correspondent Name:	Gregory P. Einhorn
Address Line 1:	12531 High Bluff Drive, Suite 100
Address Line 4:	San Diego, CALIFORNIA 92130
ATTORNEY DOCKET NUMBER:	564462015800
NAME OF SUBMITTER:	Gregory P. Einhorn

Total Attachments: 5
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ASSIGNMENT (JOINT, PCT, U.S.)

THIS ASSIGNMENT, by

Gerhard FREY, of 13768 Via Cima Bella, San Diego, CA 92129,

Bruce E. KIMMEL, 13236 Jacarte Court, San Diego, CA 92130, and

Abraham ANDERSON, 3494 Woodcliff Road, Sherman Oaks, CA 91403,

(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 utility patent application and an international patent application under the Patent Cooperation Treaty (PCT), which includes a designation of the United States of America, entitled

ANTIBODIES AND METHODS FOR MAKING AND USING THEM

first filed as U.S. Provisional Application Serial No. (USSN) 60/871,069, on Dec. 20, 2006, and filed as International Patent Application No. PCT/US07/78568, and as U.S. utility patent Application No. 11/855,943, both filed on September 14, 2007, and both claiming priority to USSN 60/871,069, filed on Dec. 20, 2006.

WHEREAS,

Verenium Corporation, a corporation duly organized under and pursuant to the laws of Delaware and having a mailing address and its principal place of business at 4955 Directors Place, San Diego, California 92121-1609

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

said Inventions;

said United States utility patent application and international (PCT) patent application;

any national or regional phase patent applications from or claiming priority to said United States utility patent application and/or international patent application (including applications under the European Patent Convention and all national phase patent applications including those filed in the United States of America (including any utility patent application, including any nonprovisional applications converted to provisional applications, divisionals,

continuations and continuations-in-part of said applications, and reissues and reexams), or any other application claiming the benefit of priority of said United States utility patent application and/or international patent application;
any Letters Patent that may be issued or granted from or claiming priority to said patent applications by the United States of America (including any nonprovisional applications converted to provisional applications, divisionals, continuations, continuations-in-part, reexaminations, reissues and extensions of said Letters Patent) or by any international, regional or foreign patent-granting authority; and

all related rights arising from said patent applications under the International Convention for the Protection of Industrial Property (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 held, enjoyed by and for the use of said Assignee, to the full end of the term or 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 and said United States utility patent application and international s patent application, 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 and derivation proceedings) is lawful and desirable;

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 applications, assignments and preliminary statements), without charge by said Assignors to said Assignee (as Assignors have received consideration

for such acts), but at the reasonable cost and expense of said Assignee, to effectuate fully this Assignment;

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

The Assignors hereby authorize and request the attorney appointed in said United States utility patent application and international (PCT) patent application (including any national phase applications or utility patent applications, and including any nonprovisional applications converted to provisional applications, divisionals, continuations, continuations-in-part, reexaminations, reissues and extensions of said Letters Patent) to complete hereafter this Assignment by inserting the serial number and filing date as necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of these documents.

Each Assignor hereby authorize 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.

Executed and dated by the Assignors as follows:

9-14-07
Date _____ Gerhard Frey
Gerhard FREY

Date _____ Bruce E. KIMMEL

Date _____ Abraham ANDERSON

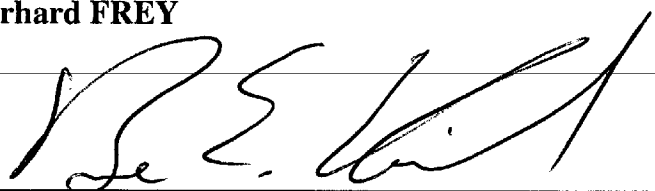
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_____	_____
Date	Gerhard FREY
<i>Sept. 17th, 2007</i>	
Date	Bruce E. KIMMEL

_____	_____
Date	Abraham ANDERSON

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Date **Gerhard FREY**

Date **Bruce E. KIMMEL**

9/14/07
Date 
Abraham ANDERSON

sd-392737