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Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Commissioner of Patents and Trademarks:
Please record the attached original documents or copy thereof.

Attorney Docket 036870-5085-US

Attention: Mail Stop Assignment Recordation Services

1. Name of conveying parties:
(1) **Thomas Uzzell**
(2) **Ethan D. Stolzenberg**
(3) **Ann E. Shinnar**
(4) **Michael A. Zasloff**

2. Name and address of receiving party:
Name: **Genacra Corporation**
Street Address: **5110 Campus Drive,
Plymouth Meeting, Pennsylvania 19462**

Additional names of conveying parties attached?
 Yes No

Additional names & addresses attached?
 Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Dates: (1) **March 22, 2004**; (2) **March 26, 2004**; (3) **March 18, 2004**; and (4) **March 26, 2004**.

4. Application numbers or patent numbers:

If this document is being filed together with a new application the execution date of the application is:

Patent Application No. **10/458,278**

Additional numbers attached: Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **Robert Smyth**
Internal Address: **Morgan, Lewis & Bockius LLP
Intellectual Property Support Unit**
Street Address: **1111 Pennsylvania Avenue, N.W.,
Washington DC 20004**

6. Total number of applications and patents involved: **1**

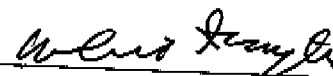
7. Total fee (37 C.F.R. 3.41): **\$40.00**
 Enclosed
 Authorized to be charged to deposit account 50-0310

8. Deposit account number: **50-0310**
Attach duplicate of page if paying by deposit account

9. Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Robert Smyth, Reg. No. 50,801
Name of Person Signing


Signature

July 26, 2004
Date

Total number of pages including cover sheet, attachments and documents: 7

CH \$40.00 500310 10458278

ATTORNEY DOCKET 036870-5085
SOLE/JOINT INVENTION
(WORLDWIDE RIGHTS)

ASSIGNMENT

WHEREAS I/WE, the below named inventors, [hereinafter referred to as Assignors], have made an invention entitled:

HAGFISH CATHELIN-ASSOCIATED ANTIMICROBIAL PEPTIDES AND GENES

for which I/WE filed an application for a:

United States Patent Application on January 30, 2004 (Serial No. 10/458,278); and
International PCT Application on July 30, 2002 (Serial No. PCT/US02/24019); and
United States Provisional Patent Application on July 30, 2001 (Serial No. 60/308,652); and

WHEREAS, Genaera Corporation, a corporation of Delaware, whose post office address is 5110 Campus Drive, Plymouth Meeting, Pennsylvania 19462 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set our hand.

County of Philadelphia
State of Pennsylvania

Thomas Uzzell

Full Name of First Assignor

Academy of Natural Sciences 1900 Benjamin Franklin Parkway Philadelphia PA 19103

SS. Address

Thomas Uzzell
First Assignor's Signature

Date

22 March 2004

Subscribed and sworn to before me this 22 day of March, 2004.

Sonia L. Brantley Notary Public

NOTARIAL SEAL

Sonia L. Brantley, Notary Public

City of Philadelphia, County of Philadelphia

My Commission Expires March 31, 2005

Yes No

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WHEREAS, **Genaera Corporation**, a corporation of **Delaware**, whose post office address is **5110 Campus Drive, Plymouth Meeting, Pennsylvania 19462** (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

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AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set our hand.

| | |
|---|---|
| County of _____ | <u>Thomas Uzzell</u> Full Name of First Assignor |
| State of _____ | SS. <u>5110 Campus Drive, Plymouth Meeting, PA 19462</u> Address |
| Subscribed and sworn to before me this ___ day of _____, 2004. | _____ First Assignor's Signature |
| _____ Notary Public | _____ Date |
| Names of additional inventors attached: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |

ATTORNEY DOCKET 036870-5085
SOLE/JOINT INVENTION
(WORLDWIDE RIGHTS)
PAGE 2

County of _____
State of _____

Subscribed and sworn to before me
this ___ day of _____, 2004.

Notary Public

Ethan D. Stolzenberg
Full Name of Second Assignor

SS. 5110 Campus Drive, Plymouth Meeting, PA 19462
Address

Second Assignor's Signature

Date

County of PA
State of PA

Subscribed and sworn to before me
this 18 day of March, 2004.

Maureen Brennan
Notary Public

MAUREEN BRENNAN
Notary Public, State of New York
No. 01BR4764174
Qualified in Bronx County
Commission Expires Nov. 30, 2006

Ann E. Shinnar
Full Name of Third Assignor

SS. 5110 Campus Drive, Plymouth Meeting, PA 19462
Address 595 WYNDHAM ROAD, TEANECK, NJ 07666

Ann E. Shinnar
Third Assignor's Signature

March 18, 2004
Date

County of _____
State of _____

Subscribed and sworn to before me
this ___ day of _____, 2004.

Notary Public

Michael A. Zasloff
Full Name of Fourth Assignor

SS. 5110 Campus Drive, Plymouth Meeting, PA 19462
Address

Fourth Assignor's Signature

Date

Names of additional inventors attached: Yes No

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IN TESTIMONY WHEREOF, I have hereunto set our hand.

| | |
|---|--|
| County of _____ | Thomas Uzzell |
| State of _____ | Full Name of First Assignor |
| | 5110 Campus Drive, Plymouth Meeting, PA 19462 |
| | SS. Address |
| Subscribed and sworn to before me this ___ day of _____, 2004. | _____ First Assignor's Signature |
| _____ Notary Public | _____ Date |
| Names of additional inventors attached: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |

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PAGE 2

County of _____

State of _____

Subscribed and sworn to before me
this ___ day of _____, 2004.

Notary Public

Ethan D. Stolzenberg
Full Name of Second Assignor

SS. 5110 Campus Drive, Plymouth Meeting, PA 19462
Address

Second Assignor's Signature

Date

County of _____

State of _____

Subscribed and sworn to before me
this ___ day of _____, 2004.

Notary Public

Ann E. Shinnar
Full Name of Third Assignor

SS. 5110 Campus Drive, Plymouth Meeting, PA 19462
Address

Third Assignor's Signature

Date

County of District of Columbia

State of Washington, DC

Subscribed and sworn to before me
this 21st day of MARCH, 2004.

Brenda Fay Gorney Notary Public

My Commission Expires

April 14, 2006

Names of additional inventors attached:

Yes No

Michael A. Zasloff
Full Name of Fourth Assignor

SS. 5110 Campus Drive, Plymouth Meeting, PA 19462
Address

[Signature]
Fourth Assignor's Signature

3/26/04
Date