

**CORRECTED F
COV
PATE**

08-11-2005



103059298

818K
U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
torney Docket No.: 2004647-0003

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

1. Name of conveying party(ies):

- 1) James J. Collins
- 2) Timothy S. Gardner

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: **Trustees of Boston University**
Internal Address:
Street Address: **One Sherborn Street**

City: **Boston** State: **MA** Zip Code: **02215**

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ Other

Execution Date: 1) **December 15, 2004**
2) **December 15, 2004**

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

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

A. Patent Application No.(s)

09/872,338

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: **Monica R. Gerber, M.D., Ph.D.**
Internal Address: **Choate, Hall & Stewart**

Street Address: **Exchange Place**
53 State Street

City: **Boston** State: **MA** ZIP: **02109**

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

7. Total fee (37 CFR 3.41) **\$40.00**

- ☒ Enclosed
- ☐ Authorized to be charged to deposit account

8. Deposit account number: **03-1721**

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.

Monica R. Gerber, M.D., Ph.D.

Name of Person Signing
Reg. No. 46,724

Signature

Date

08/09/2005 DBYRNE 00000021 09872338

01 FC:0021

Total number of pages including cover sheet, attachments, and document: **9**

Documents to be recorded with required cover sheet information to:
Mail Stop Assignment Recordation Services
Director of the U.S. Patent & Trademark Office
P.O. Box 1450
Alexandria, VA 22313

PATENT
REEL: 016864 FRAME: 0722

01-26-2005



102926185

To the Honorable Commissioner of Patents and Trademarks

Documents or copy thereof.

1. Name of conveying party(ies):

1) James J. Collins
2) Timothy S. ~~Garner~~ *Gardner*

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: **Trustees of Boston University**
Internal Address:
Street Address: **One Sherborn Street**

City: **Boston** State: **MA** Zip Code: **02215**

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: 1) **December 15, 2004**
2) **December 15, 2004**

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

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

A. Patent Application No.(s)

09/872,338

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: **Monica R. Gerber, M.D., Ph.D.**
Internal Address: **Choate, Hall & Stewart**
Street Address: **Exchange Place**
53 State Street

City: **Boston** State: **MA** ZIP: **02109**

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

7. Total fee (37 CFR 3.41) **\$40.00**

☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number: **03-1721**

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.

Monica R. Gerber, M.D., Ph.D.

Name of Person Signing

Reg. No. **46,724**

Monica R. Gerber
Signature

Jan. 20, 2005
Date

Total number of pages including cover sheet, attachments, and document: **3**

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services
Director of the U.S. Patent & Trademark Office
P.O. Box 1450
Alexandria, VA 22313

01/26/2005 EC00PER 00000019 09872338

01 FC:8021

40.00 DP

3790238

3790238v1

PATENT
REEL: 016864 FRAME: 0723

ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, James J. Collins of Newton Centre, Massachusetts, and Timothy S. Gardner, of Needham, Massachusetts, hereby

Sell, assign and transfer to **Trustees of Boston University**, having a place of business at **One Sherborn Street, Boston, MA 02215**, its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE, their entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent filed **June 1, 2001, Serial No. 09/872,338** entitled "**MULTI-STATE GENETIC OSCILLATOR**" and in and to said application and all divisional, continuing, substitute, renewal, reexamination, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original, reissued, and reexamination patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

Agree that said ASSIGNEE may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said ASSIGNEE, agree to carry out in good faith the intent and purpose of this assignment by executing all divisional, continuing, substitute, renewal, reexamination, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said ASSIGNEE all facts known to them relating to said inventions and the history thereof, and generally by doing everything possible which said ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said ASSIGNEE.

Hereby request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE.

Covenant with said ASSIGNEE that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by them, and that full right to convey the same as herein expressed is possessed by them.

IN WITNESS WHEREOF, I hereto set my hand and seal at 44 COMMINTON, SUFFOLK, BOSTON, MA
this 15 day of DECEMBER, 2004

[Signature]
Timothy S. Gardner

STATE OF MASS
COUNTY OF SUFFOLK SS.

On this 15 day of DECEMBER, 2004, before me, the undersigned notary public, personally appeared **Timothy S. Gardner**, proved to me through satisfactory evidence of identification, which were MA DRIVER, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

[Signature]
NOTARY PUBLIC

JOSEPH S. PRECOPPIO
Notary Public
Commonwealth of Massachusetts
My Commission Expires
February 12, 2010

[Notary's Seal Here] My Commission Expires:

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
this 15 day of DECEMBER, 2004

[Signature]
James J. Collins

com
STATE OF MASS
COUNTY OF Suffolk SS.

On this 15 day of Dec, 2004, before me, the undersigned notary public, personally appeared **James J. Collins**, proved to me through satisfactory evidence of identification, which were MA DRIVER, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

[Signature]
NOTARY PUBLIC

[Notary's Seal Here] My Commission Expires:

JOSEPH S. PRECOPPIO
Notary Public
Commonwealth of Massachusetts
My Commission Expires
February 12, 2010