

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | |
|--|-------------------------------|---------------|-------------------------------|------------------|---------------------|---------------|------------|----------------|---------------|--------------|-------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>James J. Collins</td><td>01/23/2008</td></tr><tr><td>Tara L. Deans</td><td>01/23/2008</td></tr></tbody></table> | | Name | Execution Date | James J. Collins | 01/23/2008 | Tara L. Deans | 01/23/2008 | | | | |
| Name | Execution Date | | | | | | | | | | |
| James J. Collins | 01/23/2008 | | | | | | | | | | |
| Tara L. Deans | 01/23/2008 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1"><tr><td>Name:</td><td>Trustees of Boston University</td></tr><tr><td>Street Address:</td><td>One Sherborn Street</td></tr><tr><td>City:</td><td>Boston</td></tr><tr><td>State/Country:</td><td>MASSACHUSETTS</td></tr><tr><td>Postal Code:</td><td>02118</td></tr></table> | | Name: | Trustees of Boston University | Street Address: | One Sherborn Street | City: | Boston | State/Country: | MASSACHUSETTS | Postal Code: | 02118 |
| Name: | Trustees of Boston University | | | | | | | | | | |
| Street Address: | One Sherborn Street | | | | | | | | | | |
| City: | Boston | | | | | | | | | | |
| State/Country: | MASSACHUSETTS | | | | | | | | | | |
| Postal Code: | 02118 | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>PCT Number:</td><td>US0781965</td></tr></tbody></table> | | Property Type | Number | PCT Number: | US0781965 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| PCT Number: | US0781965 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| Fax Number: (617)345-1300 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | | | |
| Phone: 617-345-6054 | | | | | | | | | | | |
| Email: tpittsley@nixonpeabody.com | | | | | | | | | | | |
| Correspondent Name: Ronald I. Eisenstein | | | | | | | | | | | |
| Address Line 1: 100 Summer Street | | | | | | | | | | | |
| Address Line 4: Boston, MASSACHUSETTS 02110-2131 | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 701586-060640-PCT | | | | | | | | | | |
| NAME OF SUBMITTER: | Tina-Michelle Pittsley | | | | | | | | | | |
| Total Attachments: 2 source=DOC002#page1.tif source=DOC002#page2.tif | | | | | | | | | | | |

CH \$40.00 US0781965

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PATENT
REEL: 020678 FRAME: 0164

For: U.S. and Foreign Rights
By: Multiple Inventors

ASSIGNMENT OF INVENTION CONTAINED IN PCT APPLICATION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS (inventors):

Name : James J. COLLINS

Address: 118 Glen Avenue
Newton, MA 02459

Nationality: US

Name : Tara L. DEANS

Address: 1A Banks Street
Somerville, MA 02144

Nationality: US

hereby sell, assign and transfer to

ASSIGNEES:

Name: TRUSTEES OF BOSTON UNIVERSITY

Address: One Sherborn Street
Boston, MA 02118
US

Nationality: US

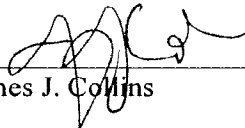
and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest and in all foreign countries, including all rights to claim priority in and to any and all improvements which are disclosed in the invention entitled A TUNABLE GENETIC SWITCH FOR REGULATING GENE EXPRESSION which is found in (37 C.F.R. Section 3.21) PCT Application Serial No. PCT/US07/081965 with International Filing Date October 19, 2007 and any legal equivalent thereof in any designated country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any re-issue or re-examination thereof;

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

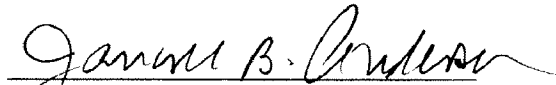
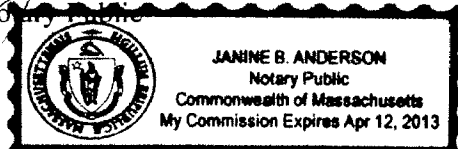
The undersigned hereby grant(s) the law firm of Nixon Peabody LLP of 100 Summer Street, Boston, Massachusetts 02110-2131, U.S.A. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark, Office for recordation of this document.

IN WITNESS WHEREOF, I, James J. Collins, hereunto set my hand and seal this 23 day of Jan, 2008.

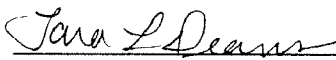

James J. Collins

STATE OF MASSACHUSETTS
COUNTY OF SUFFOLK SS:

This 23 day of JANUARY, 2008, before me personally came the above-named James J. Collins, to me personally known as the individual who executed the same of his/her own free will for the purposes therein set forth.

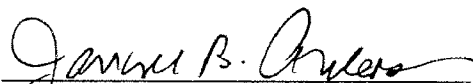

Notary Public


IN WITNESS WHEREOF, I, Tara L. Deans, hereunto set my hand and seal this 23 day of Jan, 2008.


Tara L. Deans

STATE OF MASSACHUSETTS
COUNTY OF SUFFOLK SS:

This 23 day of JANUARY, 2008, before me personally came the above-named Tara L. Deans, to me personally known as the individual who executed the same of his/her own free will for the purposes therein set forth.


Notary Public
