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TOTAL PAGES: 8 (Including Recordation Form Cover Sheet in duplicate)

Attorney Docket No.: 04-025

Form **PTO-1595** (Rev. 07/05)
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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

DENNIS P. CURRAN
YOUSEUNG SHIN
BILLY W. DAY

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: University of Pittsburgh

Internal Address: _____

Street Address: Cathedral of Learning

City: Pittsburgh

State: Pennsylvania

Country: US Zip: 15260

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) AUGUST 10, 2005; AUGUST 10, 2005;
AUGUST 10, 2005

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

11/139,949

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: HENRY E. BARTONY, JR.

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6. Total number of applications and patents involved: ONE (1)

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

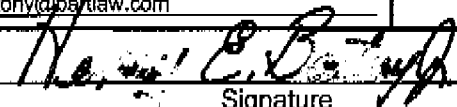
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Signature

OCTOBER 13, 2005
Date

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CH \$40.00 021065 11139949

Attorney's Docket No. 04-025
 U.S. application no. 11/139,949

PATENT

For: U.S. and/or Foreign Rights
 For: U.S. Application or
 U.S. Provisional Application
 For: U.S. Patent
 For: PCT Application
 By: Inventor(s) or Present Owner

ASSIGNMENT OF INVENTION

This Assignment is effective as of May 27, 2005.

In consideration of the rights and obligations of the ASSIGNOR(S) under the University of Pittsburgh Patent Policy and Procedure and of the payment by ASSIGNEE to ASSIGNOR(S) of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR:

Inventor(s) or
 person(s) or
 entity(ies) who own the
 invention

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JAPAN
 NATIONALITY

(if assignment is by person or entity to whom invention was previously
 assigned

and this was recorded in PTO, add the following)

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hereby sells, assigns and transfers to

ASSIGNEE:

UNIVERSITY OF PITTSBURGH
 (TYPE OR PRINT NAME(S) OF ASSIGNEE(S))

CATHEDRAL OF LEARNING
 Address

PITTSBURGH, PENNSYLVANIA 15260
 Address

US
 Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

Attorney's Docket No. 04-025
 U.S. application no. 11/139,949

(complete one of the following)

the entire right, title and interest

an undivided _____ percent (_____ %) interest

for the United States and its territorial possessions

(check the following box, if foreign rights are also to be assigned)

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:

ANALOGS OF DICTYOSTATIN, INTERMEDIATES THEREFOR AND METHODS OF SYNTHESIS THEREOF

Name of inventor(s) DENNIS P.CURRAN, YOUSEUNG SHIN, JEAN-HUGUES FOURNIER, JOHN MANCUSO, BILLY W. DAY, ARNDT BRUCKNER and YOSHIHAZU FUKUI

(check and complete (a), (b), (c), (d), (e), (f) or (g))

and which is found in

(a) U.S. patent application executed on even date herewith

(b) U.S. patent application executed on _____

(c) U.S. provisional application naming the above inventor(s) for the above-entitled invention.

Express mail label no.: _____
 Mailed: _____

To comply with 37 CFR 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known.

(d) U.S. application no. 11/139,949
 filed on MAY 27, 2005

(e) International application no. PCT/ _____ / _____

(f) U.S. patent no. _____ issued _____

A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

(also check (g), if foreign application(s) is also being assigned)

(g) and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the

Attorney's Docket No. 04-025
U.S. application no. 11/199,949

above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reason of 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.

IN WITNESS WHEREOF, I We have hereunto set hand and seal this 10th day of August, 2005
Date of signing

WARNING: THE DATE OF SIGNING MUST BE THE SAME AS THE DATE OF EXECUTION OF THE APPLICATION, IF ITEM (A) WAS CHECKED ABOVE.

Date: 8/10/05

Signature of ASSIGNOR(S)
DENNIS P. CURRAN

Date: _____

Signature of ASSIGNOR(S)
YOUNG & SPICE

Date: _____

Signature of ASSIGNOR(S)
JEAN-ROBERT FOURNIER

Date: _____

Signature of ASSIGNOR(S)
JOHN MANCOSO

Date: 10 August 2005

Signature of ASSIGNOR(S)
BILLY W. DAY

Date: _____

Signature of ASSIGNOR(S)
ARNST BRUCKNER

Date: _____

Attorney's Docket No. 04-025
U.S. application no. 11/139,949

above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue 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.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this _____ day
of _____
Date of signing

WARNING: THE DATE OF SIGNING MUST BE THE SAME AS THE DATE OF EXECUTION OF THE APPLICATION, IF ITEM (A) WAS CHECKED ABOVE.

Date: _____

Signature of ASSIGNOR(S)
DENNIS P. CURRAN

Date: 8/10/05



Signature of ASSIGNOR(S)
YOUSEUNG SHIN

Date: _____

Signature of ASSIGNOR(S)
JEAN-HUGUES FOURNIER

Date: _____

Signature of ASSIGNOR(S)
JOHN MANCUSO

Date: _____

Signature of ASSIGNOR(S)
BILLY W. DAY

Date: _____

Signature of ASSIGNOR(S)
ARNDT BRUCKNER

Date: _____

Attorney's Docket No. 04-025
U.S. application no. 11/139,949

Date: _____

Signature of ASSIGNOR(S)
YOSHIKAZU FUKUI

(if ASSIGNOR is a legal entity, complete the following information)

(TYPE OR PRINT THE NAME OF THE ABOVE
PERSON
AUTHORIZED TO SIGN ON BEHALF OF
ASSIGNOR)

Title

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.

[] Notarization or Legalization Page Added.