

FORM PTO-1595 (Rev. 07/05)
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Attorney Docket No.: 61169.00044 (P-2956 PCT US)

To the Director of the U.S. Patent and Trademark office. Please record the attached documents or new address(es) below.

1. Name of conveying parties:

THOMAS BRUESER
R. WESLEY ROSE

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

3. Nature of conveyance:

Execution Date(s): 07/24/2008 and 07/25/2008

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

2. Name and address of receiving party(ies):

The Trustees of the University of Pennsylvania
3160 Chestnut Street, Suite 200
Philadelphia, PA 19104

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

A. Patent Application No.(s):

10/507,855

This document is being filed together with a new application

B. Patent No.(s):

Additional numbers attached Yes No

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

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6. Total number of applications and patents involved:

1

7. Total fee (37 C.F.R. 1.21(h) & 3.41) = \$40.00

- Authorized to be charged by credit card
 Authorized to be charged to Deposit Account
 Enclosed.
 Non required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number: 50-2424

Authorized User Name: Evelyn H. McConathy

9. Statement and signature:

Evelyn H. McConathy
Signature

July 31, 2008

Date

EVELYN H. MCCONATHY

Name of Person Signing
Registration No.: 35,279

Total number of pages including cover sheet, attachments and document: 6

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
MAIL STOP ASSIGNMENT RECORDATION SERVICES, Director of the USPTO, P. O. Box 1450, Alexandria, VA 22313-1450

ASSIGNMENT

The undersigned hereby sell and assign their entire right, title and interest to THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA (the Assignee), a non-profit corporation organized and existing under the laws of the Commonwealth of Pennsylvania having its principal place of business at 3160 Chestnut Street, Suite 200, Philadelphia, Pennsylvania 19104 for

Check applicable box(es): the United States of America (as defined in 35 U.S.C. § 100),
 and throughout the world,

in the invention known *HETEROLOGOUS PROTEIN PRODUCTION USING THE TWIN ARGININE TRANSLOCATION PATHWAY* filed *March 15, 2002* (also known as U.S. Application Serial No. 60/364,877) and filed *January 21, 2003* (also known as U.S. Application Serial No. 60/441,576), and PCT International Application No. *PCT/US03/08161*, filed on *March 17, 2003* in any and all applications thereon, in any and all Letters Patent(s) therefor, and in any and all reissues, extensions, renewals, reexaminations of such applications or Letters Patent(s) and divisionals and continuing applications thereof to the full end of the term or terms for which such Letters Patent(s) issue, such entire right, title and interest to be held and enjoyed by the above-named Assignee to the same extent as they would have been held and enjoyed by the undersigned had this assignment and sale not been made.

The undersigned agree to execute all papers necessary in connection with the application and any continuing, divisional, reissue, reexamination or corresponding applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree to execute all papers necessary in connection with any interference that may be declared concerning the application or any continuing, divisional, reissue or reexamination applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned hereby represents that they have full right to convey undersigned entire interest herein assigned, and that they have not executed, and will not execute, any agreement in conflict therewith.

ATTORNEY DOCKET NO.: 61169.0004 (P256 PCT US)

Assignment US Application No.: PCT/US03/08161

Date: _____ Signature of Inventor: R. WESLEY ROSE

Commonwealth of Pennsylvania: SS
COUNTY of _____;

On this ____ day of _____ 2007, before me personally came the above R. Wesley Rose, known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that he executed the same of his own free will for the use and purposes therein set forth.

Notary Public

Date: 25th July 2008 Signature of Inventor: *Thomas Bruesser*
THOMAS BRUESER

Commonwealth of Pennsylvania: SS
COUNTY of _____;

On this ____ day of _____ 2007, before me personally came the above Thomas Bruesser, known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that he executed the same of his own free will for the use and purposes therein set forth.

Notary Public

ATTORNEY DOCKET NO.: 61169.00044 (P2956 PCT US)

Assignment US Application No.: PCT/US03/08161

Date: 7/24/08 Signature of Inventor: *R. Wesley Rose*
R. WESLEY ROSE

Commonwealth of Pennsylvania:

COUNTY of MONTGOMERY: **SS**

On this 24 day of July 2008, before me personally came the above **R. Wesley Rose**, known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that he executed the same of his own free will for the use and purposes therein set forth.

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Daniel J. Helwig, Notary Public
Springfield Twp., Montgomery County
My Commission Expires June 3, 2009
Member, Pennsylvania Association of Notaries

[Signature]
Notary Public

Date: _____ Signature of Inventor: _____
THOMAS BRUESER

Commonwealth of Pennsylvania:

COUNTY of _____: **SS**

On this ____ day of _____ 2007, before me personally came the above **Thomas Brueser**, known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that he executed the same of his own free will for the use and purposes therein set forth.

Notary Public

ATTORNEY DOCKET NO.: 61169.00044 (P2956 PCT US)

Assignment US Application No.: PCT/US03/08161

Date: _____ Signature of Inventor: _____
KIERAN DILKS

Commonwealth of Pennsylvania:
COUNTY of _____: SS

On this ____ day of _____ 2007, before me personally came the above **Kieran Dilks**, known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that he executed the same of his own free will for the use and purposes therein set forth.

Notary Public