

U.S. DEPARTMENT OF COMMERCE

RECORDATION FORM COVER SHEET
PATENTS ONLY

Patent and Trademark Office
Docket No. U025 P2990.1US

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

1. Name of conveying party(ies):
James E. Baumgardner
Cynthia M. Otto

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

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

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

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

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

Execution Date: November 24, 2004

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: November 24, 2004

A. Patent Application No.(s) 10/996,395 B. Patent No.(s)

Additional numbers attached? Yes No

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

Nanda K. Alapati, Reg. No. 39,893
WOMBLE CARLYLE
Post Office Box 7037
Atlanta, GA 30357

USPTO Customer No. 26158

6. Total number of applications and patents involved: One

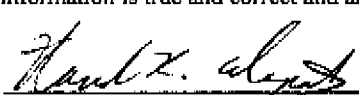
7. Total fee (37 C.F.R. § 3.41): \$40.00
Authorized to be charged to deposit account, Referencing
Attorney Docket U025 P2990.1US

8. Deposit account number: 09-0528

The Commissioner is hereby authorized to charge any fees under 37 C.F.R. § 1.21 that may be required by this paper, or to credit any overpayment to Deposit Account No. 09-0528.

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.


Nanda K. Alapati, Reg. No. 39,893

December 22, 2004
Date

Total number of pages comprising cover sheet, attachments and document: 4

Commissioner of Patents and Trademarks
Box Assignments

Facsimile No. 703-306-5995 Phone: 703-308-9723

CH \$40.00 090528 10996395

Application No. PCT/US03/17373

e 1 of 3

*signed
over*

ASSIGNMENT

WHEREAS, as a below named inventor, I, ASSIGNOR, am the original, first and sole (if only one inventor is named) or joint (if more than one inventor is named) inventor, of the invention entitled:

Method and Apparatus for Measuring Nitric Oxide Production and Oxygen Consumption in Cultures of Adherent Cells

which is:

- is attached hereto;
- identified as WCSR Docket No. U025 P2990PCT;
- was filed on _____ as United States Application Serial No. _____.
- was filed on June 2, 2003 as International Application No. PCT/US03/17373 and designated the United States among other countries.

WHEREAS, **The Trustees of the University of Pennsylvania**, having a business address at 3160 Chestnut Street, Suite 200, Philadelphia, PA 19104, ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said invention and said International Application;

NOW, THEREFORE, in consideration of good and valuable consideration, Assignor has sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the ASSIGNEE, his successors, legal representatives and assigns, the entire right, title and interest in, to and under said invention and the International Application, all U.S. National Stage, Continuations, Divisionals, and Renewals thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all National Stage and other applications for industrial property protection, including without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for same the priority rights derived from said International Application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND ASSIGNOR HEREBY authorizes and requests the Commissioner of Patents and Trademarks of the United States and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue said application to the said ASSIGNEE, his successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it has full right to convey the entire interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict herewith.

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AND ASSIGNOR HEREBY further covenants and agrees that it will communicate to the said ASSIGNEE, his successors, legal representatives and assigns, any facts known to it respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, his successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN WITNESS WHEREOF, the undersigned inventor has affixed his signature.

1. James E. Baumgardner 11/24/04
James E. Baumgardner Date
Residence Address: Folsom, Pennsylvania
Country of Citizenship: U.S.

STATE OF Pennsylvania)
COUNTY OF Philadelphia) ss.:

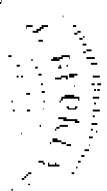
I, Darla J. Sponeybarger, a Notary Public in and for the aforesaid jurisdiction do certify that the foregoing was acknowledged and sworn to before me by James E. Baumgardner.

This 24th day of Nov., 2004.

My commission expires: 6/28/2008

Darla J. Sponeybarger

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Darla J. Sponeybarger, Notary Public
City Of Philadelphia, Philadelphia County
My Commission Expires June 28, 2008
Member, Pennsylvania Association Of Notaries



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2. Cynthia M. Otto
Cynthia M. Otto
Residence Address: Folsom, Pennsylvania
Country of Citizenship: U.S.

11/24/04
Date

STATE OF Pennsylvania)
COUNTY OF Philadelphia) ss.:

I, Darla Sponebarger Notary Public in and for the aforesaid jurisdiction do certify that the foregoing was acknowledged and sworn to before me by James E. Baumgardner.

This 24 day of Nov, 2004.

My commission expires: 6/28/08

Darla J. Sponebarger

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Darla J. Sponebarger, Notary Public
City Of Philadelphia, Philadelphia County
My Commission Expires June 28, 2008
Member, Pennsylvania Association Of Notaries