

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Douglas H. Smith M.D.	07/27/2009
D. Kacy Cullen PhD	07/27/2009
Shu Yang PhD	06/26/2009

RECEIVING PARTY DATA

Name:	The Trustees Of The University of Pennsylvania
Street Address:	3160 Chestnut Street
Internal Address:	Suite 200
City:	Philadelphia
State/Country:	PENNSYLVANIA
Postal Code:	19104

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12383777

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	UOP-415US
NAME OF SUBMITTER:	Christopher R. Lewis

Total Attachments: 5
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ASSIGNMENT

WHEREAS, **WE Douglas H. Smith, M.D.**, residing at **21 Hunt Meet Lane, Garnet Valley, PA 19061, Shu Yang, Ph.D.**, residing at **204 Hazeltine Circle, Blue Bell, PA, 19422**, and **D. Kacy Cullen, Ph.D.**, residing at **6482 Sherwood Road, Philadelphia, PA 19151**, hereinafter referred to as the assignors are the inventors of certain inventions or improvements for which WE will make application for Letters Patent of the United States, to be filed on **March 27, 2009** and entitled **Blast Injury Dosimeter**; and

WHEREAS, **The Trustees Of The University Of Pennsylvania** hereinafter referred to as the assignee, of **3160 Chestnut Street, Suite 200, Philadelphia, Pennsylvania 19104**, a university of higher education in **Pennsylvania**, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said provisional application, and to any patent application(s) corresponding thereto, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for and in exchange for valuable consideration from the receipt of which is hereby acknowledged and intending to be bound, we, the said assignors, have sold, assigned, transferred and set over, effective as of as of the earliest date listed below, and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said provisional application and any and all corresponding patent application(s) and continuations, divisions and renewals of and substitutes for said corresponding patent application(s), and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our names corresponding patent applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

AND WE hereby covenant that WE have full right to convey the entire interest herein assigned, and that WE have not executed and will not execute any agreement in conflict herewith, and WE further covenant and agree that WE will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees or legal representatives, and WE agree to communicate to said assignee, or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to

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**PATENT
Multiple Inventors**

obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby authorize and request 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 of applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

This Assignment may be executed in counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

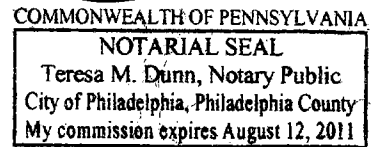
6/26/2009
Date

[Signature] (L.S.)
Shu Yang, Ph.D.

STATE OF Pennsylvania
COUNTY OF Philadelphia SS

On this 26 day of June, year of 09, before me personally came the above named Shu Yang to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

[Signature]
Notary Public



STATEMENT OF WITNESS

SIGNED at _____
(City) (Country)

This ____ day of _____, 200__.

I, _____ whose full
residence address is _____

_____ was personally present and did see _____ execute the above assignment on the _____ day of _____, 200__, and such Assignor is personally known to me to be the person described in such document.

Signature of Witness

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

7/27/09
Date

Daniel Kacy Cullen (L.S.)
D. Kacy Cullen, Ph.D.

STATE OF PA :
COUNTY OF Phila : SS

On this 27th day of July, year of 2009, before me personally came the above named D. Kacy Cullen Ph.D. to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

Jessie M. Coyle
Notary Public

STATEMENT OF WITNESS

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal
JESSIE M. COYLE, Notary Public
City of Philadelphia, Philadelphia County
My Commission Expires Feb. 28, 2013
Pennsylvania Association of Notaries

SIGNED at Philadelphia (City) USA (Country)

This 27 day of July, 2009.

I, Kenny Gregory whose full residence address is 3160 Chestnut Street
Phila, PA 19104

was personally present and did see D. Kacy Cullen execute the above assignment on the 27 day of July, 2009, and such assignor is personally known to me to be the person described in such document.

Kenny Gregory
Signature of Witness