

02-24-2009

Press Mail No. EV 451 626 599 US



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Attorney Docket Number 6923-126-999

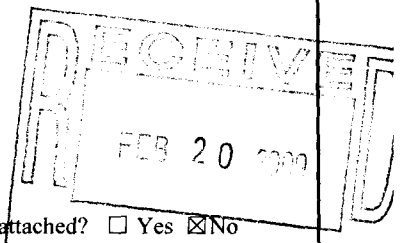
To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or the new address(es) below

50,000

1. Name of conveying party(ies):  
**Silvia Muro Galindo, and Vladimir R. Muzykantov**  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):  
Name: University of Pennsylvania  
Address: Center for Technology Transfer  
Suite 200, Philadelphia, PA  
Country (if other than USA): \_\_\_\_\_ Zip Code: 19104  
Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  Other  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
Execution Date: January 16, 2009 and January 15, 2009



4. Application number(s) or patent number(s): This document is being filed together with a new application.  
A. Patent Application No.(s) 11/631,248 B. Patent No.(s) \_\_\_\_\_  
Additional numbers attached?  Yes  No

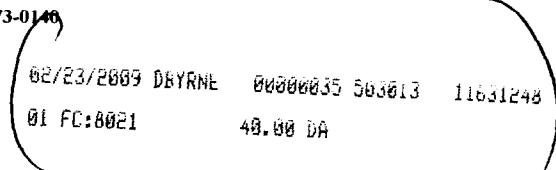
5. Name and address of party to whom correspondence concerning document should be mailed:  
**JONES DAY**  
222 East 41st Street  
New York, New York 10017-6702

6. Number of applications and patents involved: 1  
7. Total fee (37 CFR 3.41):..... \$40.00  
Please charge to the deposit account listed in Section 8.  
8. Deposit account number: 50-3013

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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.*  
Laura A. Coruzzi                      30,742                      *Laura A. Coruzzi*                      February 20, 2009  
Name of Person Signing              Reg. No.                      Signature                      Date  
Total number of pages including cover sheet: 5

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Or fax documents to Fax No.: 571-273-0146



24. 01/16/04

JOINT

ASSIGNMENT

315 Thayer Ave. Apt. 724, Silver Spring, MD, 20910

WHEREAS, WE, **Silvia Muro Galindo**, citizen of Spain, residing at ~~4247 Locust Street, Apt. 402, Philadelphia, PA 19104~~; and **Vladimir R. Muzykantov**, citizen of the United States, residing at 101 White Pine Court, Warminster, PA 18974; ASSIGNORS are co-inventors with **Edward Howard Schuchman**, citizen of the United States, residing at 300 Lakeshore Drive, Haworth, NJ 07641, in the invention **TARGETED PROTEIN REPLACEMENT FOR THE TREATMENT OF LYSOSOMAL STORAGE DISORDERS** for which we have executed an application for a Patent of the United States

- which is executed on  even date herewith or
- which is identified by Jones Day docket no. 6923-126-999
- which was filed as Application No. 11/631,248, U.S. national stage application of PCT/US2005/023529 filed on July 1, 2005

and WHEREAS, **University of Pennsylvania**, having a place of business at Center for Technology Transfer, Suite 200, Philadelphia, PA 19104, ASSIGNEE, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all 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 the same the priority rights derived from said United States 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 WE HEREBY authorize and request the Commissioner for Patents 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 the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree 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 HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us 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, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

S-G

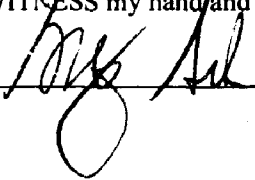
Date 01/16, ~~2008~~ <sup>2009</sup>  \_\_\_\_\_ L.S.  
**Silvia Muro Galindo**

Date \_\_\_\_\_, 2008 \_\_\_\_\_ L.S.  
**Vladimir R. Muzykantov**

State of Maryland )  
County of Montgomery ) SS.:

On 16<sup>th</sup> January, 2008, before me, Gleg Silsbel, Notary Public, personally appeared Silvia Muro Galindo, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal



State of )  
County of ) SS.:

On \_\_\_\_\_, 2008, before me, \_\_\_\_\_, Notary Public, personally appeared Vladimir R. Muzykantov, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

\_\_\_\_\_

ASSIGNMENT

WHEREAS, WE, **Silvia Muro Galindo**, citizen of Spain, residing at 4247 Locust Street, Apt. 402, Philadelphia, PA 19104; and **Vladimir R. Muzykantov**, citizen of the United States, residing at 101 White Pine Court, Warminster, PA 18974; ASSIGNORS are co-inventors with **Edward Howard Schuchman**, citizen of the United States, residing at 300 Lakeshore Drive, Haworth, NJ 07641, in the invention **TARGETED PROTEIN REPLACEMENT FOR THE TREATMENT OF LYSOSOMAL STORAGE DISORDERS** for which we have executed an application for a Patent of the United States

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- which is identified by Jones Day docket no. 6923-126-999
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NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all 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 the same the priority rights derived from said United States 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 WE HEREBY authorize and request the Commissioner for Patents 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 the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree 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 HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us 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, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date \_\_\_\_\_, 2008

\_\_\_\_\_  
**Silvia Muro Galindo** L.S.

Date 01/15 2009, 2008

\_\_\_\_\_  
**Vladimir R. Muzykantov** L.S.

State of )  
 ) SS.:  
County of )

On \_\_\_\_\_, 2008, before me, \_\_\_\_\_, Notary Public, personally appeared Silvia Muro Galindo, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

State of Pennsylvania)  
 ) SS.:  
County of Philadelphia)

On January 15, 2008, before me, Mary Ann Clarke, Notary Public, personally appeared Vladimir R. Muzykantov, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Mary Ann Clarke

