

04-08-2005

RECO

HEET

Docket No.: 2478.2001-010

3/28/05



102975453

Documents or the new address(es) below.

To the Director of the U.S. Patent and

1. Name of conveying party(ies)/Execution Date(s):

- 1) CRAIG SIEGEL
- 2) CAROL A. NELSON
- 3) DAVID J. HARRIS
- 4) DIANE P. COPELAND

Execution Date: 1) 03/03/2005; 2) 03/14/2005; 3) 03/15/2005 and 4) 03/03/2005

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

3. Nature of conveyance:

- Assignment [ ] Merger
- Security Agreement [ ] Change of Name
- Other \_\_\_\_\_

2. Name and address of receiving party(ies)

Name: GENZYME CORPORATION

Internal Address: \_\_\_\_\_

Street Address: 500 KENDALL STREET

City: CAMBRIDGE

State: MASSACHUSETTS

Country: USA Zip: 02142

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

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

A. Patent Application No.(s)

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? [ ] Yes [ X ] No

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

Name: STEVEN G. DAVIS, ESQ.

Internal Address: \_\_\_\_\_

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

Street Address: 530 VIRGINIA ROAD, P.O. BOX 9133

City: CONCORD State: MA ZIP: 01742-9133

Phone No. 978-341-0036 Fax No. 978-341-0136

Email Address: STEVE.DAVIS@HBSR.COM

6. Total number of applications and patents involved: [ 1 ]

7. Total Fee (37 C.F.R. 3.41)..... \$ 40.00

Enclosed with Application Filing Fee

Authorization to charge deposit account number 08-0380

Previously submitted - Doc. ID No. [ ]

Authorized to charge any deficiencies or credit any overpayment to deposit account number 08-0380

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8. Steven G. Davis  
Name of Person Signing

Signature

March 28 2005  
Date

Total number of pages including cover sheet, attachments, and document: [ 5 ]

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U.S. P.T.O.  
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Multi-Joint

ASSIGNMENT

WHEREAS, we, **Craig Siegel, Carol A. Nelson, David J. Harris and Diane P. Copeland** together with co-inventor **James A. Shayman**, have invented a certain improvement in **SYNTHESIS OF UDP-GLUCOSE: N-ACYLSPHINGOSINE GLUCOSYLTRANSFERASE INHIBITORS** described in an application for Patent

- the specification of which is about to be filed in the United States Patent Office (*use for utility (37 CFR § 1.53(b)) and design filings only*);
- is about to be filed in the United States Patent Office as a Provisional Application;
- the specification of which is United States Application No. [    ], filed [    ];
- the specification of which is a Patent Cooperation Treaty Application, International Application No. [    ], filed [    ], which designates the United States of America [and assigned United States Application No. [    ]];
- which was patented under United States Patent No. [    ].

WHEREAS, **Genzyme Corporation** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **Commonwealth of Massachusetts**, and having a usual place of business at **500 Kendall Street, Cambridge, Massachusetts 02142** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein; I hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any further applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature: Craig Siegel  
Craig Siegel

State/Commonwealth of Massachusetts  
County of Middlesex

On this 3rd day of April, 2005, before me, the undersigned notary public, personally appeared **Craig Siegel**,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

 Joyce D. Lange Notary Public  
 Commonwealth of Massachusetts  
 My Commission Expires Jul 19, 2007  
Joyce D Lange (print name)  
 My Commission expires 7/19/07

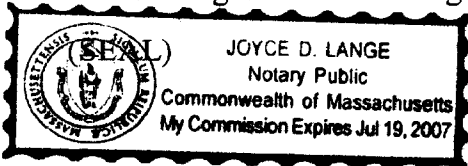
Inventor's Signature: *Carol A. Nelson*  
**Carol A. Nelson**

State/Commonwealth  
of Massachusetts  
County of Middlesex

On this 14<sup>th</sup> day of March, 20 05, before me, the undersigned notary public, personally appeared **Carol A. Nelson**,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.



*Joyce D. Lange* Notary Public  
Joyce D. Lange (print name)  
My Commission expires 7, 19, 07

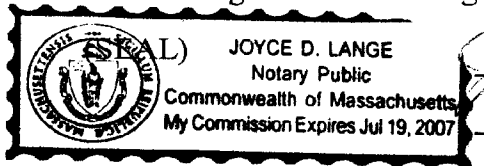
Inventor's Signature: *David J. Harris*  
**David J. Harris**

State/Commonwealth  
of Massachusetts  
County of Middlesex

On this 15<sup>th</sup> day of March, 20 05, before me, the undersigned notary public, personally appeared **David J. Harris**,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.



*Joyce D. Lange* Notary Public  
Joyce D. Lange (print name)  
My Commission expires 7, 19, 07

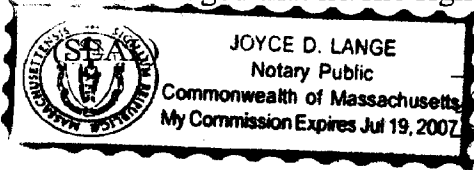
Inventor's Signature: Diane P. Copeland  
**Diane P. Copeland**

State/Commonwealth  
of Massachusetts  
County of Middlesex

On this 3rd day of March, 2005, before me, the undersigned notary public, personally appeared **Diane P. Copeland**,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.



Joyce D. Lange Notary Public  
Joyce D. Lange (print name)  
 My Commission expires 7/19/07