

RECORDATION FORM COVER SHEET PATENTS ONLY

Docket No.: 1932.2166-003 PCT

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

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

CHAD C. HUVAL /10-16-2006
 STEPHEN RANDALL HOLMES- /10-03-2006
 FARLEY
 PRADEEP K. DHAL /10-04-2006
 /
 /

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

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

A. Patent Application No.(s)

PCT/US2006/033437

Additional numbers attached? Yes No

This document is being filed together with a new application.
 B. Patent No (s)

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

Name: STEVEN G. DAVIS

Internal Address: _____

HAMILTON, BROOK, SMITH & REYNOLDS, P.C

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City: CONCORD State MA ZIP: 01742-9133

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6 Total number of applications and patents involved [1]

7 Total Fee (37 CFR 1.21(h) & 3.41) \$ 40.00

Enclosed

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. BOOYONG SHIM LIM *Booyong Shim* October 25, 2006
 Name of Person Signing Signature Date
Reg. No. 60200

Total number of pages including cover sheet, attachments, and documents: [4]

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JointASSIGNMENT

WHEREAS, we, **Chad C. Huval, Stephen Randall Holmes-Farley and Pradeep K. Dhal**, have invented a certain improvement in **POLYMERIC MOLECULAR RECEPTORS AS PHOSPHATE SEQUESTRANTS** 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. **PCT/US2006/033437**, International filing date **August 25, 2006**;
- 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, the 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 the 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 the 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;

PATENT
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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 future 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.

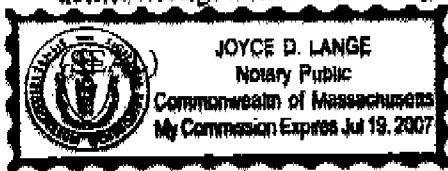
Inventor's Signature: Chad C. Huval
Chad C. Huval

State/Commonwealth of Massachusetts
County of Middlesex

On this 16th day of October, 2006, before me, the undersigned notary public, personally appeared Chad C. Huval,

- 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

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Inventor's Signature: Stephen R. Holmes-Farley
Stephen Randall Holmes-Farley

State/Commonwealth of Massachusetts
County of Middlesex

On this 31st day of October, 2006, before me, the undersigned notary public, personally appeared **Stephen Randall Holmes-Farley**.

- 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

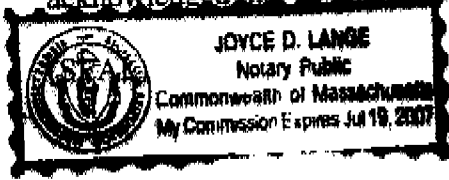
Inventor's Signature: Pradeep K. Dhal
Pradeep K. Dhal

State/Commonwealth of Massachusetts
County of Middlesex

On this 4th day of October, 2006, before me, the undersigned notary public, personally appeared **Pradeep K. Dhal**.

- 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