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To the Director of the U.S. Patent

102522542

and attached original documents or copy thereof.

1. Name of conveying party(ies)

- 1) Mukund S. Chorghade
2) Mukund K. Gurjar
3) Joseph Cherian

8-11-03

2. Name and address of receiving party(ies)

Name: Genzyme Corporation

Internal Address:

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: 1) June 26, 2003 2-3) June 30, 2003

Street Address: One Kendall Square

City: Cambridge State: MA ZIP: 02139

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

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:

A. Patent Application No.(s)

10/439,341

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ 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

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

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

- ☒ Enclosed
☒ Authorized to charge any deficiencies or credit any overpayment to deposit account
☐ Authorized to be charged to deposit account

8. Deposit account number:

08-0380

(Attach duplicate copy of this page if paying by deposit account)

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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.

Jesse A. Fecker 52,883

Name of Person Signing

Signature

F-5-03

Date

Total number of pages including cover sheet, attachments, and document: 7

08/12/2003 6TOW11 00000231 10439341

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PATENT
REEL: 014367 FRAME: 0129

JointASSIGNMENT

WHEREAS, we, **Mukund S. Chorghade, Mukund K. Gurjar, and Joseph Cherian** have invented a certain improvement in **Synthesis of Benzonitriles From Substituted Benzoic Acid** described in an application for Letters Patent of the United States, the specification of which:

☐ is being executed on even date herewith and is about to be filed in the United States Patent Office;

☒ was filed on **May 15, 2003** as Application No. **10/439,341**;

☐ was patented under U.S. Patent No. ☐ on ☐.

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 **One Kendall Square, Cambridge, Massachusetts 02139** 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 thereon; 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;

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 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 the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon 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: M. S. Chorghade
Mukund S. Chorghade

State/Commonwealth
of Massachusetts
County of Middlesex

Then personally appeared before me the above-named **Mukund S. Chorghade** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 26th day of June, 2003.

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

Inventor's Signature: _____
Mukund K. Gurjar

State/Commonwealth

of _____

County of _____

Then personally appeared before me the above-named **Mukund K. Gurjar** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 2003.

(SEAL)

Notary Public

(print name)

My Commission expires ____/____/____

Inventor's Signature: _____
Joseph Cherian

State/Commonwealth

of _____

County of _____

Then personally appeared before me the above-named **Joseph Cherian** and acknowledged that he executed the foregoing instrument as his free act and deed this _____ day of _____, 2003.

(SEAL)

Notary Public

(print name)

My Commission expires ____/____/____

JointASSIGNMENT

WHEREAS, we, **Mukund S. Chorghade, Mukund K. Gurjar and Joseph Cherian**, have invented a certain improvement in **Synthesis of Benzonitriles From Substituted Benzoic Acid** described in an application for Letters Patent of the United States, the specification of which:

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[X] was filed on **May 15, 2003** as Application No. **10/439,341**;

[] was patented under U.S. Patent No. [] on [].

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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 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 the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

Inventor _____ Date _____

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Witness _____

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Inventor  Date June 30, 2003

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