

FORM PTO-1595
(Rev. 6-93)

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

OMB No. 0651-0011 (exp. 4/94)

PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Steven L. Goldberg, Paul M. Cino, Ramesh N.
Patel, Venkata B. Nanduri, Robert M. JohnstonAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Date: _____

2. Name and address of receiving party(ies)

Name: Bristol-Myers Squibb Company

Internal Address: _____

Street Address: Lawrenceville-Princeton RoadCity: Princeton State: NJ ZIP: 08543-4000Additional 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)

10/320,300

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Stephen B. DavisInternal Address: Bristol-Myers Squibb CompanyPatent DepartmentStreet Address: P.O. Box 4000City: Princeton State: NJ ZIP: 08543-4000

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40☐ Enclosed☒ Authorized to be charged to deposit account and any other additional fees required.

8. Deposit account number:

19-3880 (in the name of Bristol-Myers Squibb Company)

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

DO NOT USE THIS SPACE

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.*Christopher A. KleinName of Person Signing
Reg. No. 34,363
SignatureApril 14, 2003

Date

☐ Certificate of mailing on reverse side

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

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

PATENT

700028002

REEL: 13575 FRAME: 0443

ASSIGNMENT

We,

Steven L. Goldberg	residing at	25 Compton Court Basking Ridge, New Jersey 07920 United States of America
Paul M. Cino	residing at	4 Crest Drive Bound Brook, New Jersey 08805 United States of America
Ramesh N. Patel	residing at	572 Cabot Hill Road Bridgewater, New Jersey 08807 United States of America
Venkata B. Nanduri	residing at	3 Martin Court East Brunswick, New Jersey 08816 United States of America
Robert M. Johnston	residing at	104 Old Farm Road Whitehouse Station, New Jersey 08889 United States of America,

pursuant to contractual obligations heretofore assumed by us and/or for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, do hereby sell and assign to **Bristol-Myers Squibb Company**, a Delaware corporation, having a place of business at Lawrenceville-Princeton Road, Princeton, NJ 08543-4000, its successors, assigns and legal representatives, all our right, title and interest, which includes the right to and full benefit of such priorities as may now or hereafter be granted to us by local laws or by treaty, including any international convention for the protection of industrial property, in and for all countries of the world, including the United States and its territories and possessions, in and to the invention entitled:

PICHA PASTORIS FORMATE DEHYDROGENASE AND USES THEREFOR

invented by us and described in the non-provisional United States patent application

Application No. 10/320,300, filed December 16, 2002,

including said non-provisional United States patent application and any application claiming priority from said non-provisional application, filed in any country, and any patents which may be issued and/or granted thereon, and all divisions, continuations, reissues, reexamination certificates and extensions thereof in all countries, the said interest being the entire ownership of said invention and

Worldwide
Case D0170 NP

all of said applications, patents (including reissue patents), extensions and reexamination certificates to be held and enjoyed by the said Bristol-Myers Squibb Company and its successors and assigns to the full end of the terms to which said patents (including reissue patents), extensions and reexamination certificates may be granted and/or issued, as fully and entirely as the same would have been held and enjoyed by us if this sale, assignment and transfer had not been made;

And we hereby agree to communicate to said assignee or its representatives any facts known to us respecting said invention, to testify in any legal proceedings, to sign and/or execute any further documents and/or instruments which may be necessary, lawful and proper in and/or for the filing and/or prosecution of all applications, including divisional, continuation and reissue applications, extensions and reexamination certificates and/or the granting and/or issuance thereof and/or to otherwise secure title to said invention and all of said applications, patents (including reissue patents, extensions and reexamination certificates in said assignee, and in general to do everything possible to aid said assignee, its successors and assigns to obtain and enforce proper protection for said invention in all countries.

Signed this ____ day of _____, 2003 by _____
Steven L. Goldberg

Signed this 5th day of March, 2003 by Paul M. Cino
Paul M. Cino

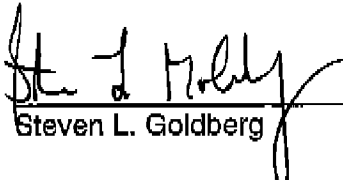
Signed this ____ day of _____, 2003 by _____
Ramesh N. Patel

Signed this ____ day of _____, 2003 by _____
Venkata B. Nanduri


Signed this ____ day of _____, 2003 by _____
Robert M. Johnston


all of said applications, patents (including reissue patents), extensions and reexamination certificates to be held and enjoyed by the said Bristol-Myers Squibb Company and its successors and assigns to the full end of the terms to which said patents (including reissue patents), extensions and reexamination certificates may be granted and/or issued, as fully and entirely as the same would have been held and enjoyed by us if this sale, assignment and transfer had not been made;

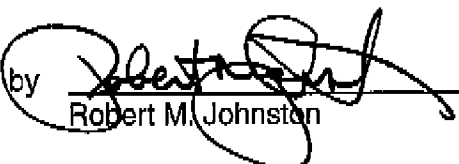
And we hereby agree to communicate to said assignee or its representatives any facts known to us respecting said invention, to testify in any legal proceedings, to sign and/or execute any further documents and/or instruments which may be necessary, lawful and proper in and/or for the filing and/or prosecution of all applications, including divisional, continuation and reissue applications, extensions and reexamination certificates and/or the granting and/or issuance thereof and/or to otherwise secure title to said invention and all of said applications, patents (including reissue patents, extensions and reexamination certificates in said assignee, and in general to do everything possible to aid said assignee, its successors and assigns to obtain and enforce proper protection for said invention in all countries.

Signed this 25th day of February, 2003 by 
Steven L. Goldberg

Signed this ____ day of _____, 2003 by _____
Paul M. Cino

Signed this 25th day of February, 2003 by 
Ramesh N. Patel

Signed this 25 day of February, 2003 by 
Venkata B. Nanduri

Signed this 25th day of February, 2003 by 
Robert M. Johnston

Worldwide
Case D0170 NP

STATE OF New Jersey)
) ss.
COUNTY OF)

On the day of , 2003, before me came **Steven L. Goldberg** , to me known to be the person of that name mentioned in, and who executed the foregoing Assignment and acknowledged that he executed it.

Notary Public

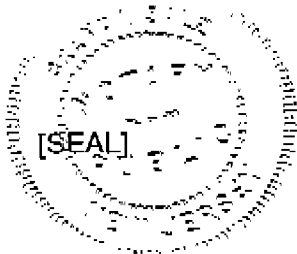
[SEAL]

STATE OF New Jersey)
) ss.
COUNTY OF *MIDDLESEX*)

On the *5* day of *MARCH* , 2003, before me came **Paul M. Cino** , to me known to be the person of that name mentioned in, and who executed the foregoing Assignment and acknowledged that he executed it.

Brenda Salz

Notary Public



BRENDA SALZ
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES MARCH 26, 2004

STATE OF New Jersey)
) ss.
COUNTY OF)

On the day of , 2003, before me came **Ramesh N. Patel** , to me known to be the person of that name mentioned in, and who executed the foregoing Assignment and acknowledged that he executed it.

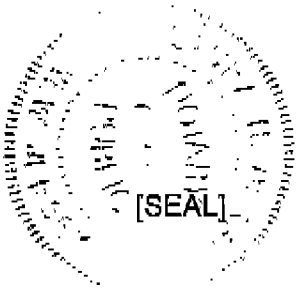
Notary Public

[SEAL]

Worldwide
Case D0170 NP

STATE OF New Jersey)
COUNTY OF *Middlesex*) ss.

On the *25* day of *February*, 2003, before me came **Steven L. Goldberg**, to me known to be the person of that name mentioned in, and who executed the foregoing Assignment and acknowledged that he executed it.



Laura H. Derbin
Notary Public

LAURA H. DERBIN
NOTARY PUBLIC, STATE OF NEW JERSEY
ID # 2278973
Commission Expires Sept. 7, 2006

STATE OF New Jersey)
COUNTY OF) ss.

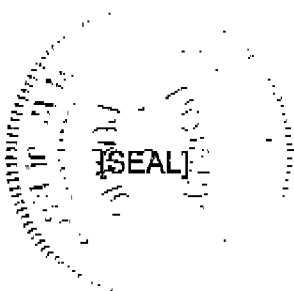
On the day of , 2003, before me came **Paul M. Cino**, to me known to be the person of that name mentioned in, and who executed the foregoing Assignment and acknowledged that he executed it.

Notary Public

[SEAL]

STATE OF New Jersey)
COUNTY OF *Middlesex*) ss.

On the *25* day of *February*, 2003, before me came **Ramesh N. Patel**, to me known to be the person of that name mentioned in, and who executed the foregoing Assignment and acknowledged that he executed it.



Laura H. Derbin
Notary Public

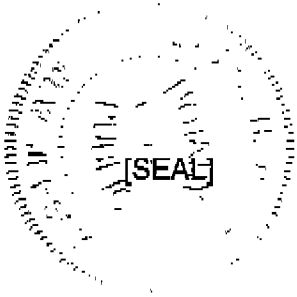
LAURA H. DERBIN
NOTARY PUBLIC, STATE OF NEW JERSEY
ID # 2278973
Commission Expires Sept. 7, 2006

PATENT
REEL: 13575 FRAME: 0448

Worldwide
Case D0170 NP

STATE OF New Jersey)
) ss.
COUNTY OF *Middlesex*)

On the *26* day of *February*, 2003, before me came **Venkata B. Nanduri**, to me known to be the person of that name mentioned in, and who executed the foregoing Assignment and acknowledged that he executed it.



Laura H. Derbin

Notary Public

LAURA H. DERBIN
NOTARY PUBLIC, STATE OF NEW JERSEY
ID # 2278973
Commission Expires Sept. 7, 2006

STATE OF New Jersey)
) ss.
COUNTY OF *Middlesex*)

On the *26* day of *February*, 2003, before me came **Robert M. Johnston**, to me known to be the person of that name mentioned in, and who executed the foregoing Assignment and acknowledged that he executed it.



Laura H. Derbin

Notary Public

LAURA H. DERBIN
NOTARY PUBLIC, STATE OF NEW JERSEY
ID # 2278973
Commission Expires Sept. 7, 2006