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4. Name of conveying party(ies):

¹Famodu, Omolayo O.
²Rafalski, J. Antoni

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ NoExecution Date: ¹08/21/2000 ²08/22/2000

5. Name and address of receiving party(ies):

**E. I. DU PONT DE NEMOURS AND COMPANY
 LEGAL PATENTS
 1007 MARKET STREET
 WILMINGTON, DELAWARE 19898**

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

5. 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): **09/594,506**

B. Patent No.(s):

Docket No.: **BB-1372 US NA**Additional numbers attached: ☐ Yes ☒ No

6. Correspondent Name & Address:

**KENING LI
 E. I. DU PONT DE NEMOURS AND COMPANY
 LEGAL-PATENTS
 1007 MARKET STREET
 WILMINGTON, DELAWARE 19898**

7. Total number of applications and patents involved: 1

8. Total fee (37 CFR 3.41) \$40.00

- ☐ Enclosed (Check No.: _____)
☒ Authorized to be charged to deposit account

9. Deposit account number: 04-1928

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

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10. 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.

CAROL REEDER**SENIOR LEGAL CLERK**

Signature

Date

Total number of pages comprising cover sheet: 1

PATENT
REEL: 011200 FRAME: 0309

ASSIGNMENT

We, the undersigned

OMOLAYO O. FAMODU and J. ANTONI RAFALSKI

Hereby declare that

We are the true and first inventors of an invention entitled

THIAMINE BIOSYNTHETIC ENZYMES

(which is identified as Case Number **BB1372 US NA**) and which is disclosed in an application for Letters Patent in the United States of America., executed the

For valuable consideration, the receipt and adequacy of which is hereby acknowledged and in fulfillment of our pre-existing obligation of assignment, we hereby:

I. Sell, assign, and transfer unto **E. I. du Pont de Nemours and Company**, a corporation organized and existing under the laws of the State of Delaware in the United States of America and having its principal place of business at Wilmington, Delaware, hereinafter referred to as the assignee, (A) the sole and entire right, title, and interest in and to: (1) the aforesaid application for Letters Patent, (2) any priority rights derived from the aforesaid application for Letters Patent by virtue of the International Convention for the Protection of Industrial Property and any other treaty or understanding for intellectual property for any and all member countries of the aforesaid International Convention or other treaty or understanding, (3) any and all our inventions, whether joint or sole, disclosed in the aforesaid application for Letters Patent, (4) any and all applications for Letters Patent for any such inventions in any country whatsoever, (5) any and all patents for any such inventions in any country whatsoever; and (B) the sole right to (1) file such applications in its name or ours, (2) file such applications under the aforesaid International Convention or other treaty or understanding, (3) have said patents granted in its name or ours, and (4) enforce said patents and to sue for and recover profits and damages for any and all infringements thereof whether past or future; and

II. Agree, whenever requested, to communicate to said assignee, its successors, assigns, and legal representatives, any facts known to us respecting said rights, to testify in any legal proceeding respecting said rights, to execute all applications, papers or instruments necessary or required by said assignee, its successors, assigns and legal representatives, to carry into effect any of the provisions of this instrument, and generally to do everything possible to aid said assignee, its successors, assigns, and legal representatives to obtain and enforce proper patent protection for said inventions in any and all countries.

We further authorize our attorney/patent agent to insert below* the application number and filing date of the aforesaid United States application now identified as Case Number **BB1372 US NA** after the same shall have been made known to him/her by the United States Patent Office.

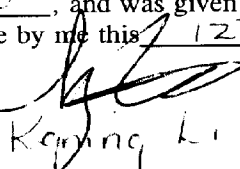

OMOLAYO O. FAMODU (L.S.)
DATE: 8/21/00


J. ANTONI RAFALSKI (L.S.)
DATE: Aug 22, 2000

*The application referred to above as Case Number **BB1372 US NA** was filed in the United States Patent Office on

June 15, 2000, and was given Application No. 09/594,506.

This insertion made by me this 12th day of September, 2000.


Karyn L.
44.872

for: **KATHLEEN W. GEIGER**
ATTORNEY/PATENT AGENT FOR APPLICANTS
Registration No.: 35,880
Telephone: 302-302-992-3749
Facsimile: 302-302-892-7949