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COVER SHEET

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Please record the attached original documents or copy thereof:
Name and address of receiving party(ies):

Name: E. I. du Pont de Nemours and Company

Internal Address: Legal - Patents

Street Address: 1007 Market Street

City: Wilmington State: DE ZIP: 19898

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

Name of conveying party(ies):
(1) Jonathan Edward Lightner
Additional name(s) of conveying party(ies) attached? Yes No

Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: May 14, 1998

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)

09/073,297

B. Patent No.(s)

(BB-1083-B)

Additional numbers attached: Yes No

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

Name: William R. Majarian

Internal Address: Legal - Patents

E. I. du Pont de Nemours and Company

Street Address: 1007 Market Street

City: Wilmington State: DE ZIP: 19898

07/23/1998 DCOATES 00000266 041928 09073297

01 FC:581 40.00 CH

6. Total number of applications and patents involved: One (1)

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

Enclosed (Ck. No. _____)

Authorized to be charged to deposit account

8. Deposit account number:

04-1928

(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.

Gloria A. Chew

Senior Legal Clerk

Name of Person Signing

Gloria A. Chew
Signature

July 14, 1998

Date

Total number of pages comprising cover sheet: 2

ASSIGNMENT

I, the undersigned


JONATHAN EDWARD LIGHTNER

Hereby declare that

I am the true and first inventor of an invention relating to

STARCH BIOSYNTHETIC ENZYMES

which is disclosed in an application for Letters Patent in the United States of America, executed the 14th day of May, 1998 (Case No. **BB-1083-B**); and, for valuable consideration, the receipt and adequacy of which is hereby acknowledged and in fulfillment of my pre-existing obligation of assignment, I hereby 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, the entire right, title, and interest in and to the aforesaid application for Letters Patent, including 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, and the entire right, title and interest in and to any and all my inventions, whether joint or sole, disclosed in the aforesaid application for Letters Patent, and in and to any and all applications for Letters Patent for any such inventions in any country whatsoever, and in and to any and all patents for any such inventions in any country whatsoever, with the sole right to file such applications in its name or mine, including the sole right to file such applications under the aforesaid International Convention or other treaty or understanding, together with the sole right to have said patents granted in its name or mine and to enforce said patents and to sue for and recover profits and damages for any and all infringements thereof, and hereby agree, whenever requested, to communicate to said assignee, its successors, assigns, and legal representatives, any facts known to me respecting said inventions, to testify in any legal proceeding, 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. I further authorize my attorney/patent agent to insert below* the application number and filing date of the aforesaid United States application now identified as Case No. **BB-1083-B** after the same shall have been made known to him/her by the United States Patent Office.

 (L.S.)
JONATHAN EDWARD LIGHTNER

DATE: 14 May 1998

*The application referred to above as Case No. **BB-1083-B** was filed in the United States Patent Office on May 6, 1998, and was given Application No. 09/073,297. This insertion made by me this 9th day of July, 1998.


ATTORNEY/PATENT AGENT FOR APPLICANT