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2. Conveyance Type:

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3. Name of conveying party(ies):

<sup>1</sup>Cheng, Qiong  
<sup>2</sup>Tao, Luan  
<sup>3</sup>Sedkova, Natalia

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

Execution Date: <sup>1</sup>4/5/2004 <sup>2</sup>4/5/2004  
<sup>3</sup>4/12/2004

4. 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): 10/804,677  
Docket No.: CL-2346 US NA

B. Patent No.(s): \_\_\_\_\_

Additional numbers attached:  Yes  No

6. Correspondent Name & Address:

**S. NEIL FELTHAM  
E. I. DU PONT DE NEMOURS AND COMPANY  
LEGAL-PATENTS  
BARLEY MILL PLAZA 25  
WILMINGTON, DELAWARE 19880-0025**

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  
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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** Carol Reeder 4/20/04  
IP COORDINATOR Signature Date

Total number of pages comprising cover sheet: 1

CH \$40.00 041928 10804677

# ASSIGNMENT

We, the undersigned

**QIONG CHENG, NATALIA SEDKOVA, LUAN TAO**

Hereby declare that

We are the true and first inventors of an invention entitled


**GENES ENCODING CAROTENOID COMPOUNDS**

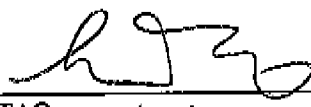
and which is disclosed in United States Patent Application No. 10/804677 filed on March 19, 2004 (and which is identified as Case Number CL2346USNA).

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 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) to 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.

 (L.S.)  
QIONG CHENG  
DATE: 4/5/2004

 (L.S.)  
LUAN TAO  
DATE: 4/5/04

 (L.S.)  
NATALIA SEDKOVA  
DATE: 4/12/04