

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>DANIEL JOSEPH MACOOL</td> <td>03/13/2013</td> </tr> <tr> <td>ZHIXIONG XUE</td> <td>03/14/2013</td> </tr> <tr> <td>QUINN QUN ZHU</td> <td>03/13/2013</td> </tr> </tbody> </table>		Name	Execution Date	DANIEL JOSEPH MACOOL	03/13/2013	ZHIXIONG XUE	03/14/2013	QUINN QUN ZHU	03/13/2013				
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<table border="1"> <tr> <td>Name:</td> <td>E. I. DU PONT DE NEMOURS AND COMPANY</td> </tr> <tr> <td>Street Address:</td> <td>974 CENTRE ROAD</td> </tr> <tr> <td>Internal Address:</td> <td>CRP 721</td> </tr> <tr> <td>City:</td> <td>WILMINGTON</td> </tr> <tr> <td>State/Country:</td> <td>DELAWARE</td> </tr> <tr> <td>Postal Code:</td> <td>19805</td> </tr> </table>		Name:	E. I. DU PONT DE NEMOURS AND COMPANY	Street Address:	974 CENTRE ROAD	Internal Address:	CRP 721	City:	WILMINGTON	State/Country:	DELAWARE	Postal Code:	19805
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CORRESPONDENCE DATA													
<p>Fax Number: 3023553982 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 302-992-2973 Email: CAROL.A.REEDER@USA.DUPONT.COM Correspondent Name: LYNNE CHRISTENBURY Address Line 1: 974 CENTRE ROAD Address Line 2: CRP 721 Address Line 4: WILMINGTON, DELAWARE 19805</p>													
ATTORNEY DOCKET NUMBER:	CL5392USNP												
NAME OF SUBMITTER:	CAROL REEDER												
Signature:	/CAROL REEDER/												

PATENT

Date:

09/12/2013

Total Attachments: 6

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ASSIGNMENT

We, the undersigned

DANIEL JOSEPH MACOOL, ZHIXIONG XUE, QUINN QUN ZHU

Hereby declare that

We are the true and first inventors of an invention entitled

EXPRESSION OF CYTOSOLIC MALIC ENZYME IN TRANSGENIC YARROWIA TO INCREASE LIPID
PRODUCTION

which is identified as Case Number CL5392-US-NP and which is disclosed in an application for Letters Patent in the United States of America, the declaration for which was executed the 13th day of March, 2013.

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 CL5392-US-NP after the same shall have been made known to him/her by the United States Patent Office.

SEE PAGE TWO FOR INVENTOR(S) AND ATTORNEY SIGNATURES.

Daniel J Macool (L.S.)
DANIEL JOSEPH MACOOL
DATE: 3/13/13

____ (L.S.)
QUINN QUN ZHU
DATE: _____

____ (L.S.)
ZHIXIONG XUE
DATE: _____

* The application referred to above as Case Number CL5392USNP was filed in the United States Patent Office on 03/14/2013, and was given Application No. 13/804348.
The insertion made by me this 29th day of August, 2013.

/Lynne M. Christenbury/

LYNNE M CHRISTENBURY
ATTORNEY/PATENT AGENT FOR APPLICANTS
Registration No.: 30,971
Telephone No.: (302) 992-5481
Facsimile No.: (302) 355-3982

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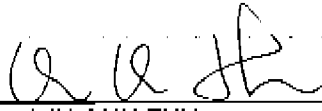
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