

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Harsh Bais</td> <td>10/05/2012</td> </tr> <tr> <td>Darla Janine Sherrier</td> <td>10/05/2012</td> </tr> <tr> <td>Venkatachalam Lakshmanan</td> <td>10/05/2012</td> </tr> </tbody> </table>		Name	Execution Date	Harsh Bais	10/05/2012	Darla Janine Sherrier	10/05/2012	Venkatachalam Lakshmanan	10/05/2012				
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Venkatachalam Lakshmanan	10/05/2012												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>University of Delaware</td> </tr> <tr> <td>Street Address:</td> <td>1 Innovation Way, Delaware Technology Park</td> </tr> <tr> <td>Internal Address:</td> <td>Building 1, Suite 500</td> </tr> <tr> <td>City:</td> <td>Newark</td> </tr> <tr> <td>State/Country:</td> <td>DELAWARE</td> </tr> <tr> <td>Postal Code:</td> <td>19711</td> </tr> </table>		Name:	University of Delaware	Street Address:	1 Innovation Way, Delaware Technology Park	Internal Address:	Building 1, Suite 500	City:	Newark	State/Country:	DELAWARE	Postal Code:	19711
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PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13687339</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13687339								
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CORRESPONDENCE DATA													
<p>Fax Number:</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Email: joostra@mrgiplaw.com</p> <p>Correspondent Name: Victoria A. Sandberg</p> <p>Address Line 1: P.O. Box 581336</p> <p>Address Line 4: Minneapolis, MINNESOTA 55458</p>													
ATTORNEY DOCKET NUMBER:	458.00020102												
NAME OF SUBMITTER:	Victoria A Sandberg												
Signature:	/Victoria A Sandberg/												
Date:	07/29/2013												
<p>Total Attachments: 2</p> <p>source=ExecutedAssignment#page1.tif</p> <p>source=ExecutedAssignment#page2.tif</p>													

CH \$40.00 13687339

ASSIGNMENT

Whereas We, Harsh BAIS, Darla Janine SHERRIER, Venkatachalam LAKSHMANNAN with residences and citizenships as indicated below; have made an invention in

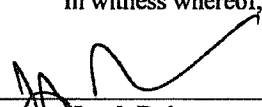
COMPOSITIONS AND METHODS FOR INCREASING BIOMASS, IRON CONCENTRATION, AND TOLERANCE TO PATHOGENS IN PLANTS

International Application No. PCT/US2011/026683, filed 1 March 2011
U.S. Application No. 13/037,880, filed 1 March 2011
U.S. Provisional Application No. 61/309,134, filed 1 March 2010
U.S. Provisional Application No. 61/414,108, filed 16 November 2010
U.S. Provisional Application No. 61/416,039, filed 22 November 2010

Now, therefore, for good and valuable consideration, receipt of which is acknowledged, we have individually and jointly agreed to assign and transfer and do hereby assign and transfer unto University of Delaware ("Company"), a corporation of Delaware, having its principal office at 1 Innovation Way, Delaware Technology Park, Building 1, Suite 500, Newark, DE 19711, United States of America, its successors and assigns, the entire right, title, and interest in and to said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in said invention made by us or any of us or made jointly with others (provided any such improvement is made during, or within one year after the termination of, the employment by the Company of whichever of us, solely or jointly with one or more others, has made the same), and in and to any and all Patents, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Patents, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any continued prosecution application, divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by us or any of us had this assignment and transfer not been made;

We do further agree for ourselves and for our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as we lawfully may, that may be deemed necessary by the Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Patents, Utility Models, or Inventors' Certificates in any and all countries;

In witness whereof, we have hereunto signed our names on the days and years set forth below.


Name: Harsh Bais
Address: 46 Palo Lane
Newark, DE 19702
United States of America
Country of Citizenship: India

Date 10/5/2012

STATE OF Delaware)
COUNTY OF New Castle) ss.

On this 5 day of October 2012 before me personally appeared Harsh Bais to me known to be the person described in and who executed the foregoing instrument, and he/she executed the same for the uses and purposes therein set forth.


Notary Public

DENISE M. BIERLEIN
NOTARY PUBLIC
STATE OF DELAWARE
My Commission Expires October 15 2014

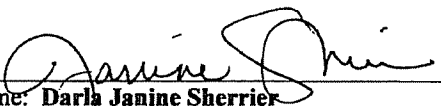
Assignment

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Int'l Appln. No. PCT/US2011/026683

Int'l Filing Date: 1 March 2011

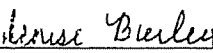
For: Compositions and Methods for Increasing Biomass, Iron Concentration, and Tolerance to Pathogens in Plants

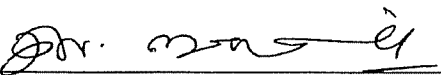

Name: **Darla Janine Sherrier**
Address: 803 Walnut Hill Court
Hockessin, DE 19707
United States of America
Country of Citizenship: United States of America

Date Oct 05, 2012

STATE OF Delaware)
COUNTY OF New Castle) ss.

On this 5 day of October 2012 before me personally appeared Darla Janine Sherrier to me known to be the person described in and who executed the foregoing instrument, and he/she executed the same for the uses and purposes therein set forth.

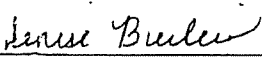

Notary Public **DENISE M. BIERLEIN**
NOTARY PUBLIC
STATE OF DELAWARE
My Commission Expires October 15 2014


Name: **Venkatachalam Lakshmannan**
Address: 260 Elkton Road Apartments, I-10
Newark, DE 19711
United States of America
Country of Citizenship: India

Date Oct 5, 2012

STATE OF Delaware)
COUNTY OF New Castle) ss.

On this 5 day of October 2012 before me personally appeared Venkatachalam Lakshmannan to me known to be the person described in and who executed the foregoing instrument, and he/she executed the same for the uses and purposes therein set forth.


Notary Public **DENISE M. BIERLEIN**
NOTARY PUBLIC
STATE OF DELAWARE
My Commission Expires October 15 2014