

PATENT ASSIGNMENT

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Joachim Messing	08/23/2011
Martin Calvino	08/22/2011
Remy Bruggmann	08/23/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Rutgers, The State University of New Jersey
<b>Street Address:</b>	Old Queens, Somerset Street
<b>City:</b>	New Brunswick
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	08903
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13114675
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	1594-P05073US01
<b>NAME OF SUBMITTER:</b>	Kathleen D. Rigaut, Ph.D., J.D.
<b>Total Attachments: 2</b> source=5073US01_Assignment#page1.tif source=5073US01_Assignment#page2.tif	

CH \$40.00 13114675

ASSIGNMENT OF INVENTION

WHEREAS, Joachim Messing, Martín Calviño & Rémy Bruggmann, hereinafter referred to as ASSIGNORS, is named inventor of an invention entitled: **COMPOSITIONS AND METHODS FOR THE REGULATION OF CARBOHYDRATE METABOLISM AND FLOWERING IN PLANTS**, described and claimed in an application for Letters Patent of the United States under U.S. Application No. 13/114,675, filed May 24, 2011.

WHEREAS, Rutgers, The State University of New Jersey, a public body Corporate of the State of New Jersey, located at Old Queens, Somerset Street, New Brunswick, New Jersey 08903, hereinafter referred to as ASSIGNEE, is desirous of acquiring the said invention and any and all applications for Letters Patent and any and all Letters Patent of the United States and foreign countries which may be issued therefor;

NOW THEREFORE THIS IS TO WITNESS that in consideration of the sum of One Dollar (\$1.00) paid to ASSIGNORS by ASSIGNEE, the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNORS have sold, assigned and set over and hereby do sell, assign and set over, unto ASSIGNEE, its successors and assigns, for the territory of the United States of America and for all foreign countries, ASSIGNORS' entire right, title and interest in and to the aforesaid inventions, as well as any improvement thereof, and any and all applications for Letters Patents which have been, or hereafter may be, filed on said invention or any said improvement, including any and all divisional, renewal, substitute, continuation and continuation-in-part application, together with the right to claim priority accruing from said applications, and all Letters Patent which may be granted on any said application(s) for said invention or any said improvement, and all extension(s) and reissue(s) thereof.

And ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States to ASSIGNEE, its successors and assigns, as the owner of all right, title and interest therein.

And for said consideration, it is hereby covenanted and agreed that at the request and expense of ASSIGNEE, its successors and assigns, ASSIGNORS will execute any further papers and do such other acts and things as may be necessary and proper to permit ASSIGNEE, its successors and assigns, to procure Letters Patent for said invention in the United States and in such foreign countries as ASSIGNEE, its successors and assigns may elect, and vest the full title thereto in ASSIGNEE, its successors and assigns.

- IN WITNESS WHEREOF, I, Judith Kopchala, intending to be legally bound, have hereunto affixed my hand and seal this 23 day of August 2011.  
- Joachim Messing

- STATE OF :

CITY OF : ss.

- Before me personally appeared said Joachim Messing and acknowledged the foregoing instrument to be his free act and deed this 23 day of August 2011.

(SEAL)

» Notary Public  
My Commission Expires:

**JUDITH KOPCHALA**  
**NOTARY PUBLIC OF NEW JERSEY**  
**MY COMMISSION EXPIRES DEC. 8, 2014**

— IN WITNESS WHEREOF, I, Judith Kopchala intending to be legally bound, have hereunto affixed my hand and seal this 22 day of August 2011.

- Martin Calviño  
- Martin Calviño

- STATE OF :

CITY OF : ss.

— Before me personally appeared said Martin Calviño and acknowledged the foregoing instrument to be his free act and deed this 22 day of August 2011.

\_\_\_\_\_  
(SEAL)  
» Notary Public  
My Commission Expires: **JUDITH KOPCHALA  
NOTARY PUBLIC OF NEW JERSEY  
MY COMMISSION EXPIRES DEC. 8, 2014**

— IN WITNESS WHEREOF, I, Judith Kopchala intending to be legally bound, have hereunto affixed my hand and seal this 22 day of August 2011.

- Remy Bruggmann  
- Remy Bruggmann

- STATE OF :

CITY OF : ss.

— Before me personally appeared said Remy Bruggmann and acknowledged the foregoing instrument to be his free act and deed this 22 day of August 2011.

\_\_\_\_\_  
(SEAL)  
» Notary Public  
My Commission Expires: **JUDITH KOPCHALA  
NOTARY PUBLIC OF NEW JERSEY  
MY COMMISSION EXPIRES DEC. 8, 2014**