

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT2949105

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HELENA V. MATHEWS	07/19/2010
SUNG-YONG YOON	01/04/2010
MYLAVARAPU VENKATRAMESH	01/04/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	EXELIXIS PLANT SCIENCES, INC.
<b>Street Address:</b>	16160 SW UPPER BOONES FERRY ROAD
<b>City:</b>	PORTLAND
<b>State/Country:</b>	OREGON
<b>Postal Code:</b>	97224
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14062452
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(801)328-1707
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	801-533-9800
<b>Email:</b>	dwilson@wnlaw.com
<b>Correspondent Name:</b>	DANA L. TANGREN
<b>Address Line 1:</b>	60 EAST SOUTH TEMPLE, SUITE 1000
<b>Address Line 2:</b>	WORKMAN NYDEGGER
<b>Address Line 4:</b>	SALT LAKE CITY, UTAH 84111
<b>ATTORNEY DOCKET NUMBER:</b>	18708.8A.4.1
<b>NAME OF SUBMITTER:</b>	DANA L. TANGREN
<b>SIGNATURE:</b>	/dana l. tangren/
<b>DATE SIGNED:</b>	07/22/2014
<b>Total Attachments: 6</b>	
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## ASSIGNMENT

WHEREAS, we, Helena V. Mathews, of Portland, Oregon; Sung-Yong Yoon, of Lake Oswego, Oregon; and Mylavarapu Venkatramesh of Portland, Oregon; have invented a certain invention, entitled PLANT CELL CULTURE FOR PRODUCTION OF NATURAL PRODUCTS WITH REDUCED GLUCOSINOLATE CONTAMINATION, as described in the following patent applications:

U.S. Provisional Patent Application No. 61/138,884, filed on December 18, 2008;  
U.S. Provisional Patent Application No. 61/166,438, filed on April 3, 2009; and  
PCT Patent Application No. PCT/US2009/068559, filed on December 17, 2009

which applications are collectively referred to as "the patent applications."

WHEREAS, Exelixis Plant Sciences, Inc., a corporation organized under the laws of the State of Oregon, having a place of business at 16160 SW Upper Boones Ferry Road, Portland Oregon 97224, desires to acquire an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, Helena V. Mathews, Sung-Yong Yoon, and Mylavarapu Venkatramesh hereby sell, assign and transfer to Exelixis Plant Sciences, Inc., the full and exclusive right, title and interest in and to said invention, patent application and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, patent application/the patent applications and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Exelixis Plant Sciences, Inc., for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted the United States or any foreign country, as fully and entirely as the same would have been held by us had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to Exelixis Plant Sciences, Inc., or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful

oaths, and do everything possible to aid Exelixis Plant Sciences, Inc., its successors and assigns to obtain and enforce proper patent protection for said invention in the United States or any foreign country.

We confirm that at the time the invention was made, we were under an obligation to assign the invention to Exelixis Plant Sciences, Inc.

This Assignment is effective as of December 17, 2009.

We hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information which may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

Executed at the place and date opposite our respective signatures below.

At Portland Oregon  
(City and State)  
on this 19 day of July, 2010.  
STATE OF Oregon )  
COUNTY OF Washington ) ss.

Helena Mathews  
Helena V. Mathews

This 19 day of July, 2010, before me personally came the above-named Helena V. Mathews, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Helena V. Mathews' own free will for the purpose set forth therein.



Rachell R Regottie  
Notary Public For  
My commission expires:  
2/25/12

\_\_\_\_\_  
Sung-Yong Yoon

At \_\_\_\_\_  
(City and State)  
on this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

This \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came the above-named Sung-Yong Yoon, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Sung-Yong Yoon's own free will for the purpose set forth therein.

\_\_\_\_\_  
Notary Public For  
My commission expires:

\_\_\_\_\_  
Mylavarapu Venkatramesh

At \_\_\_\_\_  
(City and State)  
on this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

This \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came the above-named Mylavarapu Venkatramesh, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Mylavarapu Venkatramesh's own free will for the purpose set forth therein.

\_\_\_\_\_  
Notary Public For  
My commission expires:

## ASSIGNMENT

WHEREAS, we, Helena V. Mathews, of Portland, Oregon; Sung-Yong Yoon, of Lake Oswego, Oregon; and Mylavarapu Venkatramesh of Portland, Oregon; have invented a certain invention, entitled PLANT CELL CULTURE FOR PRODUCTION OF NATURAL PRODUCTS WITH REDUCED GLUCOSINOLATE CONTAMINATION, as described in the following patent applications:

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which applications are collectively referred to as "the patent applications."

WHEREAS, Exelixis Plant Sciences, Inc., a corporation organized under the laws of the State of Oregon, having a place of business at 16160 SW Upper Boones Ferry Road, Portland Oregon 97224, desires to acquire an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, Helena V. Mathews, Sung-Yong Yoon, and Mylavarapu Venkatramesh hereby sell, assign and transfer to Exelixis Plant Sciences, Inc., the full and exclusive right, title and interest in and to said invention, patent application and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, the patent applications and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Exelixis Plant Sciences, Inc., for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted the United States or any foreign country, as fully and entirely as the same would have been held by us had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to Exelixis Plant Sciences, Inc., or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers,

execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Exelixis Plant Sciences, Inc., its successors and assigns to obtain and enforce proper patent protection for said invention in the United States or any foreign country.

We confirm that at the time the invention was made, we were under an obligation to assign the invention to Exelixis Plant Sciences, Inc.

We hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information which may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

Executed at the place and date opposite our respective signatures below.

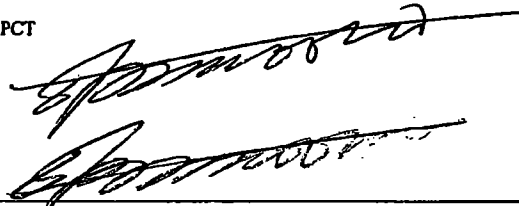
\_\_\_\_\_  
Helena V. Mathews

At \_\_\_\_\_  
(City and State)  
on this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

STATE OF )  
 )  
COUNTY OF ) ss.

This \_\_\_\_ day of \_\_\_\_\_, 20\_\_, before me personally came the above-named Helena V. Mathews, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Helena V. Mathews' own free will for the purpose set forth therein.

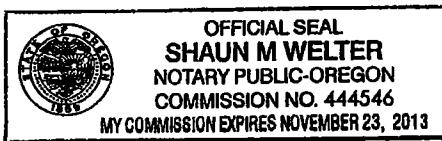
\_\_\_\_\_  
Notary Public For  
My commission expires:

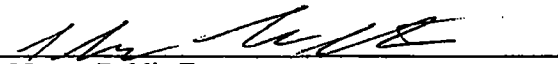
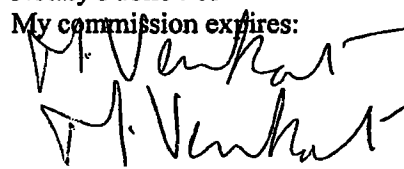
  
Sung-Yong Yoon

At PORTLAND, OR  
(City and State)  
on this 23<sup>rd</sup> day of December, 2009. 1/4/10

STATE OF Oregon )  
 )  
COUNTY OF Washington ) ss.

This 4<sup>th</sup> day of January, 2010, before me personally came the above-named Sung-Yong Yoon, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Sung-Yong Yoon's own free will for the purpose set forth therein.

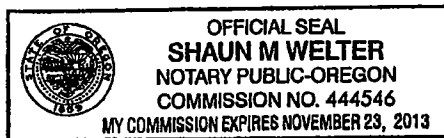



  
Notary Public For  
My commission expires:  
  
Mylavarapu Venkatramesh

At Portland, OR  
(City and State)  
on this 23 day of December, 2009. 1/4/10

STATE OF Oregon )  
 )  
COUNTY OF Washington ) ss.

This 4<sup>th</sup> day of January, 2010, before me personally came the above-named Mylavarapu Venkatramesh, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Mylavarapu Venkatramesh's own free will for the purpose set forth therein.



  
Notary Public For  
My commission expires: