505896506 02/03/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
RICHARD THOMAS SAYRE	07/03/2017	
SHAWN ROBERT STARKENBURG	07/12/2017	

RECEIVING PARTY DATA

Name:	LOS ALAMOS NATIONAL SECURITY, LLC		
Street Address:	LOS ALAMOS NATIONAL LABORATORY, LC/TAS		
Internal Address:	P.O. BOX 1663		
City:	LOS ALAMOS		
State/Country:	NEW MEXICO		
Postal Code:	87545		

PROPERTY NUMBERS Total: 4

Property Type	Number
Application Number:	62171176
PCT Number:	US2016036077
PCT Number:	IB2016054466
Application Number:	15831178

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	JANEEN VILVEN
SIGNATURE:	/Janeen Vilven/
DATE SIGNED:	02/03/2020

PATENT REEL: 051702 FRAME: 0293 505896506

Total Attachments: 4

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PATENT REEL: 051702 FRAME: 0294

ASSIGNMENT

WHEREAS, we, Richard Thomas Sayre, of Los Alamos, New Mexico, and Shawn Robert Starkenburg, of Los Alamos, New Mexico, have invented certain invention(s), as described at least in part, in the following patent applications:

- U.S. Provisional Patent Application No. 62/171,176, filed on June 4, 2015, entitled "Improved Productivity and Bioproduct Formation in Phototropin Knock/Out Mutants in Microalgae"
- PCT Patent Application No. PCT/US2016/036077, filed on June 6, 2016, entitled "Improved Productivity and Bioproduct Formation in Phototropin Knock/Out Mutants in Microalgae"
- PCT Patent Application No. PCT/IB2016/054466, filed on July 26, 2016, entitled "Improved Productivity and Bioproduct Formation in Phototropin Knock/Out Mutants in Microalgae"

which applications and invention(s) are collectively referred to as "the Invention."

WHEREAS, Los Alamos National Security, LLC, a Delaware Limited Liability Company, located at the Los Alamos National Laboratory, LC/TAS, P.O. Box 1663, Los Alamos, New Mexico 87545, desires to acquire an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, Richard Thomas Sayre and Shawn Robert Starkenburg hereby sell, assign, and transfer to Los Alamos National Security, LLC, all right, title, and interest we have in and to the Invention 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; the Invention and letters patent in this or any foreign country, and all corresponding non-provisional applications, divisions, continuations, continuations-in-part, reissues, and extensions thereof, to be held and enjoyed by Los Alamos National Security, LLC, 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 by 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 agree that we will communicate to Los Alamos National Security, LLC, or its successors and assigns, any facts known to us respecting the 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 Los Alamos National Security, LLC, its successors, and assigns to obtain and enforce proper patent protection for the 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 Los Alamos National Security, LLC.

We hereby grant the law firm of Peacock Myers, P.C., the power to insert on this Assignment any further information that 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.

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Richa	rd Thomas Sayre 🖁
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Shawi	n Robert Starkenburg
	n Robert Starkenburg Los Alamos, New Mexico
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ASSIGNMENT

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

A4 T - A \$ N ' 8		Richard Thomas Sayre	
At Los Alamos, New Mexico (City and State)			
on this day of	, 2017.		
		Shawn Robert Starkenburg	
At Los Alamos, New Mexico			
(City and State) on this 12 day of <u>July</u>	, 2017.		