

## PATENT ASSIGNMENT COVER SHEET

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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>
	GUILLERMO A. CALERO	04/13/2015
<b>RECEIVING PARTY DATA</b>		
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<b>Postal Code:</b>	15260	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	14640805
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<b>SIGNATURE:</b>	/Steven J. Burgess/	
<b>DATE SIGNED:</b>	04/21/2015	
<b>Total Attachments: 2</b>		
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## ASSIGNMENT

WHEREAS, I, Guillermo A. Calero, of Pittsburgh, Pennsylvania, have invented a certain invention, as described in U.S. Patent Application No. 14/640,805, filed on March 6, 2015, entitled "NANO SEEDING TOOLS TO GENERATE NANOMETER SIZE CRYSTALLIZATION SEEDS," which is referred to as "the patent application."

WHEREAS, University of Pittsburgh - Of the Commonwealth System of Higher Education, a non-profit corporation organized under the laws of the Commonwealth of Pennsylvania, having a place of business at 200 Gardner Steel Conference Center, Thackeray and O'Hara Streets, Pittsburgh, Pennsylvania 15260, desires to acquire an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I, Guillermo A. Calero, hereby sell, assign and transfer to University of Pittsburgh - Of the Commonwealth System of Higher Education, the full and exclusive right, title and interest in and to the invention, patent applications 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, patent applications 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 University of Pittsburgh - Of the Commonwealth System of Higher Education, 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 me had this assignment and sale not been made, and covenant that I have full right so to do, and agree that I will communicate to University of Pittsburgh - Of the Commonwealth System of Higher Education, or its successors and assigns, any facts known to me 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 University of Pittsburgh - Of the Commonwealth System of Higher Education, its successors and assigns, to obtain and enforce proper patent protection for the invention in the United States or

any foreign country.

I confirm that at the time the invention was made, I was under an obligation to assign the invention to University of Pittsburgh - Of the Commonwealth System of Higher Education.

I 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 my signature below.

At Pitt PA  
(City and State)  
on this 13 day of April, 2015.

Guillermo A. Calero

STATE OF PA )  
COUNTY OF Allegheny ) ss.

This 13 day of April, 2015, before me personally came the above-named Guillermo A. Calero, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Guillermo A. Calero's own free will for the purpose set forth therein.

David Earl Stevens  
Notary Public For

My commission expires: 5/3/16

[SEAL]

