

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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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>
	MICHAEL NORRIS	09/23/2014
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	
<b>Street Address:</b>	100 EUROPA DRIVE	
<b>Internal Address:</b>	SUITE 430	
<b>City:</b>	CHAPEL HILL	
<b>State/Country:</b>	NORTH CAROLINA	
<b>Postal Code:</b>	27517	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	14479995
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(866)747-2595	
<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>	8435809057	
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<b>Correspondent Name:</b>	JEREMY M. STIPKALA	
<b>Address Line 1:</b>	5401 NETHERBY LANE	
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<b>Address Line 4:</b>	NORTH CHARLESTON, SOUTH CAROLINA 29420	
<b>ATTORNEY DOCKET NUMBER:</b>	1062.0011-US1	
<b>NAME OF SUBMITTER:</b>	JEREMY M. STIPKALA	
<b>SIGNATURE:</b>	/Jeremy M. Stipkala/	
<b>DATE SIGNED:</b>	09/30/2014	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 4</b>		
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PATENT

## PATENT ASSIGNMENT AND INVENTOR DECLARATION

FOR ONE DOLLAR AND OTHER GOOD AND VALUABLE CONSIDERATION RECEIVED, the receipt of which is hereby acknowledged, the undersigned inventor or inventors (hereinafter called "ASSIGNOR") hereby assigns, transfers, and sets over to:

Name: THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

Address: 100 Europa Drive, Suite 430, Chapel Hill, North Carolina 27517

(hereinafter called "ASSIGNEE") and its successors and assigns, the entire worldwide right, title, and interest in and to the application known as:

"SOLAR WATER SPLITTING IN A MOLECULAR PHOTOELECTROCHEMICAL CELL"

for which a U.S. Non-Provisional Application having Attorney Docket No. 1062.0011-US1 was filed on September 8, 2014, and assigned Serial No. 14/479,995; and

all inventions disclosed therein; any improvements thereon; and all rights and privileges under the above-identified application and without limitation any additional, continuing, or divisional applications thereof in the United States or any other national jurisdiction and/or international patent issuing authority/organization ("Related Applications"), including the right to claim priority on the basis of the above-identified application and any Related Applications; and all rights and privileges under any Letters Patent which may be issued or reissued on the above-identified application and any Related Applications, including all rights, if any, to sue for past infringement.

(1) ASSIGNOR agrees, without charge to said ASSIGNEE but at ASSIGNEE'S expense (a) to execute (i) all necessary papers to be used in connection with the above-identified application and/or Related Applications, as the ASSIGNEE or its successors and assigns may deem necessary or expedient, (ii) all papers in connection with any interference or other legal or quasi-legal proceedings (such as without limitation reissue or reexamination or post-grant proceedings) relating to the above-identified application and/or Related Applications; (b) to cooperate with ASSIGNEE and its successors and assigns in every way possible in obtaining evidence and going forward in any such proceedings; and (c) to perform all other affirmative acts which may be necessary or desirable (as determined by Assignee) to obtain a grant of a valid patent for said inventions, and any improvements thereon.

(2) ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue any and all Letters Patent

that may be granted directly or indirectly upon the above-identified application and/or any Related Applications thereof to the ASSIGNEE or its successors and assigns.

(3) ASSIGNOR hereby authorizes the ASSIGNEE, its successors and assigns, to file in its own name applications for patents under the patent laws of any country of the world in connection with the inventions hereby transferred, including without limitation under the International Convention claiming the priority of the above-identified application and Related Applications or otherwise, and to secure in its own name the patent or patents issued thereon.

(4) ASSIGNOR covenants and warrants that he/she has full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that no other agreement has been or will be executed in conflict herewith.

(5) ASSIGNOR and ASSIGNEE hereby grant to the law firm of STIPKALA LLC dba THRIVE-IP® of North Charleston, SC, authority and power to insert on this instrument any further identification which may be necessary or desirable for purposes of recordation in the United States Patent and Trademark Office or a Patent Office of any non-US national jurisdiction and/or international patent issuing authority/organization.

(6) ASSIGNOR and ASSIGNEE agree that this PATENT ASSIGNMENT AND INVENTOR DECLARATION shall fulfill the purposes of a Deed of Assignment in jurisdictions requiring same.

(7) ASSIGNOR acknowledges that the above-identified U.S. Non-Provisional Patent Application No. 14/479,995 was made or authorized to be made by ASSIGNOR.

(8) ASSIGNOR believes that ASSIGNOR is the original inventor or an original joint inventor of a claimed invention in the above-identified application.

(9) ASSIGNOR has reviewed and understands the contents of the above-identified application, including the claims.

(10) ASSIGNOR hereby acknowledges awareness of the duty to disclose to the United States Patent and Trademark Office all information known to the ASSIGNOR to be material to the patentability of the claims as defined in 37 C.F.R. § 1.56.

(11) ASSIGNOR hereby acknowledges that any willful false statement made in this PATENT ASSIGNMENT AND INVENTOR DECLARATION is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

ASSIGNOR and ASSIGNEE evidence agreement to the foregoing by execution as follows:

ASSIGNEE:

Signature for  
the University:     *Jacqueline Quay*    

Name:     *Jacqueline Quay*    

Title:     *Interim Director*    

Date:     *September 24, 2014*

Signature of Third Inventor: *Michael Norris*

Printed Name of Third Inventor: Michael Norris

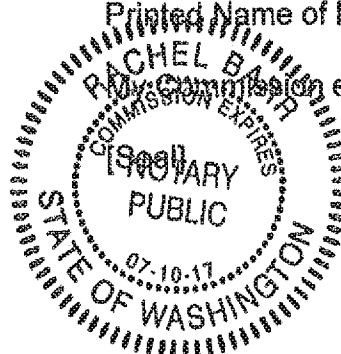
Address of Third Inventor: 8022 15th Avenue NW, Apt. 205, Seattle, WA 98117, USA

On this 23<sup>rd</sup> day of September, 2014, before me, a Notary Public in and for the County of Vink and State of Washington, personally appeared the above-named Inventor, and acknowledged the execution of the foregoing assignment as his/her free act and deed for the purpose herein set forth.

Signature of Notary: *Rachel Barr*

Printed Name of Notary: Rachel Barr

My Commission expires on: 07-10-2017



Signature of Fourth Inventor: \_\_\_\_\_

Printed Name of Fourth Inventor: Thomas J. Meyer

Address of Fourth Inventor: 424 Nottingham Drive, Chapel Hill, NC 27517, USA

On this \_\_\_\_\_ day of \_\_\_\_\_, 2014, before me, a Notary Public in and for the County of \_\_\_\_\_ and State of \_\_\_\_\_, personally appeared the above-named Inventor, and acknowledged the execution of the foregoing assignment as his/her free act and deed for the purpose herein set forth.

Signature of Notary: \_\_\_\_\_

Printed Name of Notary: \_\_\_\_\_

My Commission expires on: \_\_\_\_\_

[Seal]