

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Daniel Lichtenwalner</td> <td>06/04/2012</td> </tr> </tbody> </table>		Name	Execution Date	Daniel Lichtenwalner	06/04/2012								
Name	Execution Date												
Daniel Lichtenwalner	06/04/2012												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>North Carolina State University</td> </tr> <tr> <td>Street Address:</td> <td>1021 Main Campus Drive</td> </tr> <tr> <td>Internal Address:</td> <td>Campus Box 8210</td> </tr> <tr> <td>City:</td> <td>Raleigh</td> </tr> <tr> <td>State/Country:</td> <td>NORTH CAROLINA</td> </tr> <tr> <td>Postal Code:</td> <td>27695</td> </tr> </table>		Name:	North Carolina State University	Street Address:	1021 Main Campus Drive	Internal Address:	Campus Box 8210	City:	Raleigh	State/Country:	NORTH CAROLINA	Postal Code:	27695
Name:	North Carolina State University												
Street Address:	1021 Main Campus Drive												
Internal Address:	Campus Box 8210												
City:	Raleigh												
State/Country:	NORTH CAROLINA												
Postal Code:	27695												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13229266</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13229266								
Property Type	Number												
Application Number:	13229266												
CORRESPONDENCE DATA													
Fax Number:	(919)238-2301												
Phone:	919-238-2300												
Email:	jsmith@wt-ip.com												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name:	WITHROW & TERRANOVA, P.L.L.C.												
Address Line 1:	100 REGENCY FOREST DRIVE												
Address Line 2:	SUITE 160												
Address Line 4:	CARY, NORTH CAROLINA 27518												
ATTORNEY DOCKET NUMBER:	1194-077												
NAME OF SUBMITTER:	Julie Smith												
Total Attachments: 1 source=1194-077_Assignment_NCSU#page1.tif													

OP \$40.00 13229266

ASSIGNMENT

Whereas, I, Daniel Lichtenwalner, hereafter referred to as "Applicant", am a co-inventor of certain new and useful improvements in "Silicon carbide (SiC) treatment for producing high mobility surfaces and interfaces: methods and processes of application" for which an invention disclosure form was filed with North Carolina State University's Office of Technology Transfer as Technology No. 12-003; and

Whereas, North Carolina State University, a non-profit public educational institution under the laws of the State of North Carolina, with an office located at 1021 Main Campus Drive, Campus Box 8210, Raleigh, North Carolina 27695, herein referred to as "Assignee", desires to acquire all of my entire right, title, and interest in, to and under said invention disclosed, described and claimed or intended so to be in said invention disclosure form, and in, to and under said invention disclosure form, and in, to and under any and all Letters Patent, United States and foreign, which may be filed based on such invention disclosure form including but not limited to U.S. Provisional Application No. 61/501,460 for "SEMICONDUCTOR DEVICE WITH INCREASED CHANNEL MOBILITY AND DRY CHEMISTRY PROCESSES FOR FABRICATION THEROF" and U.S. Non-Provisional Application No. for "WET CHEMISTRY PROCESSES FOR FABRICATING A SEMICONDUCTOR DEVICE WITH INCREASED CHANNEL MOBILITY";

In the event that NC State commercializes the invention, NC State agrees to pay to me that percentage of royalties received from the commercialization of the invention as is set forth in the NC State Patent and Tangible Research Policy. Now therefore, I, the Applicant, by these presents do sell, assign and transfer unto Assignee all of my entire right, title, and interest in, to and under said invention disclosed, described and claimed or intended so to be in said invention disclosure form, and in, to and under said invention disclosure form and any and all other patent applications filed based on such invention disclosure, including any and all patent applications filed based on the invention disclosure form and divisions and continuations thereof, and any and all patents to be issued and obtained therefore and thereon, United States and foreign, including all reissues and extensions thereof.

Executed this 4th day of JUNE, 2012

Daniel J. Lichtenwalner
Daniel Lichtenwalner

STATE OF North Carolina SS:

COUNTY OF Wake

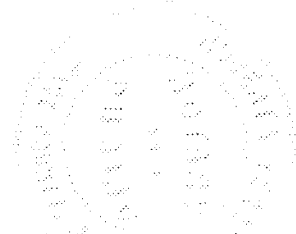
Appeared before me this 4th day of June, 2012, Yan Du, who executed the foregoing assignment in my presence and who affirmed to me his authority to execute such assignment.

Roberta Terry
Notary Public (Signature)

Roberta Terry
Notary Public (Printed Name)

Wake
County of Residence

My Commission Expires:
March 22, 2015



PATENT