

PATENT ASSIGNMENT

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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>Douglas Robert Strachan</td> <td>09/26/2012</td> </tr> <tr> <td>David Patrick Hunley</td> <td>09/26/2012</td> </tr> </tbody> </table>		Name	Execution Date	Douglas Robert Strachan	09/26/2012	David Patrick Hunley	09/26/2012
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Douglas Robert Strachan	09/26/2012						
David Patrick Hunley	09/26/2012						
RECEIVING PARTY DATA							
Name:	The University of Kentucky Research Foundation						
Street Address:	Astecc Building						
Internal Address:	Room A144						
City:	Lexington						
State/Country:	KENTUCKY						
Postal Code:	40506						
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>13538326</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13538326		
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Application Number:	13538326						
CORRESPONDENCE DATA							
Fax Number:	8592520779						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	8592520889						
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Address Line 4:	Lexington, KENTUCKY 40507						
ATTORNEY DOCKET NUMBER:	434-425						
NAME OF SUBMITTER:	Warren D. Schickli						
Total Attachments: 4 source=SignedAssignment#page1.tif source=SignedAssignment#page2.tif source=SignedAssignment#page3.tif source=SignedAssignment#page4.tif							

CH \$40.00 13538326

ASSIGNMENT

WHEREAS, we, DOUGLAS ROBERT STRACHAN of Lexington, KY and DAVID PATRICK HUNLEY of Lexington, KY have made certain new and useful inventions, as disclosed in a United States Patent Application entitled **CRYSTALLOGRAPHICALLY-ORIENTED CARBON NANOTUBES GROWN ON FEW-LAYER GRAPHENE FILMS;**

AND WHEREAS, THE UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION, a corporation of the Commonwealth of Kentucky having a place of business at Astecc Building, Room A144, Lexington, Kentucky 40506, is desirous of acquiring the entire right, title and interest in and to said inventions and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, we do hereby sell, assign, transfer and set over unto THE UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION, its legal representatives, successors, and assigns, the entire right, title and interest in and to said inventions as set forth in the above-mentioned application, to the application itself, and in and to any and all Letters Patents of the United States and foreign countries which may be issued for the inventions disclosed therein;

UPON SAID CONSIDERATIONS, we hereby agree with said assignee that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as

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said assignee may deem necessary or desirable to perfect assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuation, continuation-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of assignor and assignee;

We hereby authorize and request King & Schickli, PLLC of 247 North Broadway, Lexington, Kentucky 40507 to insert here in parentheses (Application Serial No. 13/538,326, filed June 29, 2012) the serial number and filing date of this application when known;

AND we request the Commissioner of Patents and Trademarks or the corresponding official in any foreign country in which a patent or patents may issue for said inventions to issue said patent or patents to THE UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patents and the inventions covered thereby.

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Douglas Robert Strachan
DOUGLAS ROBERT STRACHAN

Commonwealth of Kentucky)

County of Fayette)

On this 26 day of Sept, 2012, before me personally appeared DOUGLAS ROBERT STRACHAN, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

My commission expires: 2/6/16

SEAL

Monna Arthur
NOTARY PUBLIC #459863

Docket No. 434-425

David Patrick Hunley

DAVID PATRICK HUNLEY

Commonwealth of Kentucky

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County of Fayette

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On this 26 day of Sept., 2012, before me personally appeared **JOSEPH KELLY STIEHA**, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

My commission expires: 2/6/16

SEAL

Glenna Outhuro

NOTARY PUBLIC #459863