02/15/2016 503692275

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3738913

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DOUGLAS ROBERT STRACHAN	02/01/2016
DAVID PATRICK HUNLEY	02/03/2016

RECEIVING PARTY DATA

Name:	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

Property Type	Number
Application Number:	13632187

CORRESPONDENCE DATA

Fax Number: (859)252-0779

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.

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Correspondent Name: KING & SCHICKLI, PLLC Address Line 1: 247 NORTH BROADWAY

Address Line 4: LEXINGTON, KENTUCKY 40507

NAME OF SUBMITTER:	WARREN D. SCHICKLI
SIGNATURE:	/Warren D. Schickli/
DATE SIGNED:	02/15/2016

Total Attachments: 2

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> **PATENT REEL: 037733 FRAME: 0258** 503692275

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

Title of	Invention: CRYSTALLOGRAPHICALLY-ORIENTED CARBON NANOTUBES GROWN ON FEW-LAYER GRAPHENE FILMS
This dec	claration is directed to:
	The attached application, or
Ø	United States application(s) or PCT international application number(s) 13/632,187 filed on October 1, 2012
authoriz	below named inventor, I hereby declare that: (a) the above-identified application(s) was made or ted to be made by me; and (b) I believe that I am the original inventor or an original joint inventor of a invention in the application(s).
place of is desire Patent	EAS, University of Kentucky Research Foundation (hereinafter referred to as "ASSIGNEE") having a business at: Astecc Building, Room A144, Lexington, Kentucky 40506 ous of acquiring the entire right, title and interest in and to said invention and in and to any Letters that may be granted therefore in the United States and its territorial possessions and in any and all countries;
for othe transfer territori Internat applica therefor	THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, and er good and valuable consideration, the undersigned inventor does, by these presents, sell, assign and unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its al possessions and in all foreign countries (including the right to claim priority under the terms of the tional Convention and other relevant International Treaties and Arrangements from the aforesaid tion(s)) and the entire right, title and interest in and to any and all Letters Patent which may be granted in the United States and its territorial possessions and in any and all foreign countries and in and to all divisions, reissues, continuations, continuations-in-part, substitutions and renewals thereof.
any and the assi	y authorize and request the Patent Office Officials in the United States and its territorial possessions and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as ignee of my entire right, title and interest in and to the same, for the sole use of said ASSIGNEE, its ors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and as the same would have been held by me had this Assignment and sale not been made.
invention continu cause a do ever	I, I will communicate to said ASSIGNEE or its representatives any facts known to me respecting said on, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, action-in-part, substitute, renewal and reissue applications, execute all necessary assignment papers to my and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally rything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper ion for the invention in the United States, its territorial possessions, and in any and all foreign countries.
I hereb 1001 b	y acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. y fine or imprisonment of not more than five (5) years, or both.
Invento	or: Douglas Robert Strachan
Date:	2/1/2016
Signati	are: Douglas Shortm

PATENT REEL: 037733 FRAME: 0259

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

Title of Invention: CRYSTALLOGRAPHICALLY-ORIENTED CARBON NANOTUBES GROWN ON FEW-LAYER GRAPHENE FILMS This declaration is directed to: The attached application, or $\boxed{}$ United States application(s) or PCT international application number(s) 13/632,187 filed on October 1, 2012 As the below named inventor, I hereby declare that: (a) the above-identified application(s) was made or authorized to be made by me; and (b) I believe that I am the original inventor or an original joint inventor of a claimed invention in the application(s). WHEREAS, University of Kentucky Research Foundation (hereinafter referred to as "ASSIGNEE") 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 invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries; NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, and for other good and valuable consideration, the undersigned inventor does, by these presents, sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application(s)) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, continuations-in-part, substitutions and renewals thereof. I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made. Further, I will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for the invention in the United States, its territorial possessions, and in any and all foreign countries. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. Inventor: David Patrick Hunley 2/3/2016 Daish Portrich Hurlet Date: Signature:

RECORDED: 02/15/2016

PATENT REEL: 037733 FRAME: 0260