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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ΑΤΑ				
		Name	Execution Date		
NATIONAL INSTITUTE	OF AERC	OSPACE ASSOCIATES	02/09/2012		
RECEIVING PARTY DA	ТА				
Name: UNITED STATES OF AMERICA AS REPRESENTED BY THE ADMINISTRATOR OF THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION					
Street Address:	300 E. S	STREET SW			
City:	WASHIN	WASHINGTON			
State/Country:	D.C.				
Postal Code:	20546				
Property Type		Number			
PROPERTY NUMBERS Total: 1 Property Type		Number			
Application Number:	1	14791974			
Application Number:		14791974			
Application Number: CORRESPONDENCE D Fax Number:					
CORRESPONDENCE D Fax Number: <i>Correspondence will b</i>	ATA (e sent to	757)864-9190 <i>the e-mail address first; if that is unsucc</i> ; <i>if that is unsuccessful, it will be sent vi</i>			
CORRESPONDENCE D Fax Number: <i>Correspondence will b</i>	ATA (e sent to provided;	757)864-9190 <i>the e-mail address first; if that is unsucc</i>			
CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if µ</i> Phone: Email:	ATA (e sent to provided; (757)864-9190 <i>the e-mail address first; if that is unsucc</i> ; <i>if that is unsuccessful, it will be sent via</i> 757) 864-5821 /vette.d.mardis@nasa.gov			
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Patent Application



National Aeronautics and Space Administration

Assignment to the Government and License to the Small Entity Contractor

Contractor		stitute of Aerospace
Incorporat	ed Under the Laws of:	
Address:	100 Exploration Way	
	Hampton VA 23666	

WHEREAS the above named Contractor/Grantee (Hereinafter the Contractor), having elected not to retain title, or hereby elects not to retain title, under the provisions of 35 U.S.C. 202 to a SUBJECT INVENTION made in the performance of work under a contract/grant (Hereinafter a contract) between the Contractor and the Government of the United States of America (Hereinafter the Government), the SUBJECT INVENTION and contract being identified as:

Title of Invention	Nanotubular Toughening Inclusions				
Inventors					
1 Cheol Park		Employer	National Institute of Aerospace		
2. Dennis C. Workir	ng, Emille J. Siochi	Employer	NASA Langley Research Center		
3. Joycelyn S. Harris	son	Employer	NASA Langley Research Center		
4.		Employer			
5	·	Employer			
Contract No. NCCI] (2), [] (3), [] (4), 1-02043	(5)	* • •		
NASA Case No LAR-17088-1		Contractor	Case No.		
Application Executed on 02/22/2011		Application	Serial No 13/032,045		
Contractor is a (Che	ck one):				
Small Busir	1658				
College or U	Jniversity				
Nonprofit O	rganization				

Assignment to the Government

WHEREAS, the Government as represented by the Administrator of the National Aeronautics and Space Administration (NASA), is desirous of acquiring an assignment of the SUBJECT INVENTION identified above and disclosed in said application and other rights and benefits herein granted;

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PAGE 1 OF 2 PAGES

3351

PATENT REEL: 041275 FRAME: 0979

Assignment to the Government (continued)

NOW THEREFORE, in consideration of the contract and other benefits attributable to the contractual relationship, the Contractor hereby assigns and transfers to the Government the full and exclusive right in and to said SUBJECT INVENTION within the United States of America, its territories and possession, and the entire right, title, and interest in and to said patent application, and any applications continuing therefrom and such Letters Patent as may issue therefrom.

The Contractor also grants to the Government, an assignment of the foreign rights in and to the said invention including rights of priority under the International Convention of Paris (1883), as amended

The Contractor hereby covenants that it has the right to grant the foregoing assignments

The Contractor further agrees to make, execute and/or deliver to the Government, upon request, but at the expense of the Government, any and all data, drawings, notes, reports, information, papers, documents, affidavits, statements, or other items necessary in the prosecution of said application and of any applications continuing therefrom or applications for reissue or reexamination of said Letters Patent, or of any foreign patent application or any application continuing therefrom, and to assist the Government in every way in protecting said invention as may be requested, provided that any expense arising through such assistance will be paid by the Government.

License to the Contractor

FURTHER, the Contractor hereby retains, pursuant to the Federal Acquisition Regulation clause 52 227-11 entitled "Patent Rights - Retention by the Contractor (Short Form)," a revocable, nonexclusive, royalty-free license throughout the world in the SUBJECT INVENTION in each patent application filed in any country on the invention and in any resulting patent in which the Government acquires title. The license extends to the Contractor's domestic subsidiaries and affiliates, if any, within the corporate structure of which the Contractor is a part and includes the right to grant sublicenses of the same scope to the extent the Contractor was legally obligated to do so at the time the contract was awarded. The license is transferable only with the approval of the National Aeronautics and Space Administration except when transferred to the successor of the part of the Contractor's business to which the invention pertains. The Contractor's domestic license may be revoked or modified by the National Aeronautics and Space Administration to the extent necessary to achieve the expeditious practical application of the SUBJECT INVENTION pursuant to an application for an exclusive license submitted in accordance with the Department of Commerce Patent Licensing Regulations. This license will not be revoked in that field of use or the geographical areas in which the Contractor has achieved practical application and continues to make the benefits of the invention reasonably accessible to the public. The license in any foreign country may be revoked or modified at the discretion of the National Aeronautics and Space Administration to the extent the Contractor, its licensees, or its domestic subsidiaries or affiliates have failed to achieve practical application in that foreign country. Before revocation or modification of the license, the National Aeronautics and Space Administration will furnish the Contractor a written notice of its intention to revoke or modify the license, and the Contractor will be allowed 30 days (or such other time as may be authorized by the National Aeronautics and Space Administration for good cause shown by the Contractor) after the notice to show cause why the license should not be revoked or modified. The Contractor has the right to appeal, in accordance with the procedures set forth in the Department of Commerce Patent Licensing Regulations, from any decision concerning the revocation or modification of its license.

The Contractor hereby executes this instrument by its legally authorized representative on

and a conce	4 15 B L Z			
Name	Kore L DRevor	Signature	HAD-	
Title	VICE PRESIDENC OF OPERATIONS	100	Exponence w	A
	(Corporațe	Office) MA	MPTSMY VINGNIA	23666
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PATENT REEL: 041275 FRAME: 0980

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