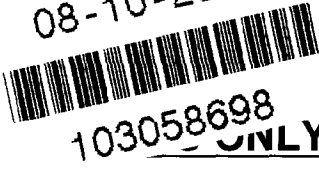


08-10-2005

D&M Docket No: CXU-454



To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Gayatri D. Keskar
Wei Wang
Apparao M. Rao

2. Name and address of receiving party(ies)

Name: Clemson University

Internal Address: Office of Technology Transfer

Additional name(s) of conveying party(ies) attached? Yes No

Street Address: 91 Technology Drive, Room 222

3. Nature of conveyance/Execution Date(s):

Execution Date(s) July 11, 2005 and July 20, 2005

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

City: Anderson

State: SC

Country: USA Zip: 29625

Additional name(s) & address(es) attached? Yes No

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

11/134,052

B. Patent No.(s)

LWONDIM1 00000064 11134052

40.00 DP

Additional numbers attached? Yes No

08/05/2005

06 FC:8021

5. Name and address to whom correspondence concerning document should be mailed:

Name: DORITY & MANNING, P.A.

Internal Address: _____

Street Address: PO BOX 1449

City: GREENVILLE

State: SC Zip: 29602-1449

Phone Number: 864-271-1592

Fax Number: 864-233-7342

Email Address: docketing@dority-manning.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers 5658

Expiration Date 02/08

b. Deposit Account Number 04-1403

Authorized User Name DORITY & MANNING, P.A.

9. Signature:

Christina L. Mangelsen
Signature

August 1, 2005

Date

Christina L. Mangelsen, Patent Agent
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 7

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ATTORNEY DOCKET NO: CXU-454**JOINT INVENTION ASSIGNMENT OF WORLDWIDE RIGHTS**

WHEREAS, we, Gayatri Keskar, a citizen of India, residing at 1108 Tiger Boulevard, Apartment 110, Clemson, South Carolina 29631; Wei Wang, a citizen of China, residing at 5525 Ellsworth Avenue, Apartment 9, Pittsburgh, Pennsylvania 15232-1866; and Apparao M. Rao, a citizen of the United States, residing at 107 Lyndhurst Drive, Anderson, South Carolina 29621, as assignors, have made an invention entitled **PROCESS FOR PREPARING CARBON NANOSTRUCTURES WITH TAILORED PROPERTIES AND PRODUCTS UTILIZING SAME** as described in a patent application for U.S. Letters Patent, bearing U.S. Serial No.11/134,052 which was filed in the U.S. Patent and Trademark Office on May 20, 2005; and

WHEREAS, CLEMSON UNIVERSITY, a body politic and corporate under the laws of the State of South Carolina, whose Post Office Address is Clemson University, Clemson, South Carolina, 29631; as assignee, is desirous of securing the entire right, title and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW, THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such

applications, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof, and we hereby authorize and request the Commissioner for Patents of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Agreement.

AND, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed, and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title of this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

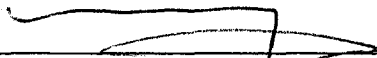
IN TESTIMONY WHEREOF, we have hereunto set our hands.

Signature of First Inventor
Gayatri D. Keskar
Date: _____

STATE OF _____)
)
COUNTY OF _____)

SWORN TO AND SUBSCRIBED before me
this _____ day of _____, 20__.

NOTARY PUBLIC FOR: _____
MY COMMISSION EXPIRES: _____



Signature of Second Inventor
Wei Wang
Date: _____ 07 / 11 / 2005 _____

STATE OF _____)
)
COUNTY OF _____)

SWORN TO AND SUBSCRIBED before me
this _____ day of _____, 20__.

NOTARY PUBLIC FOR: _____
MY COMMISSION EXPIRES: _____

Signature of Third Inventor
Apparao M. Rao
Date: _____

STATE OF _____)
)
COUNTY OF _____)

SWORN TO AND SUBSCRIBED before me
this _____ day of _____, 20__.

NOTARY PUBLIC FOR: _____
MY COMMISSION EXPIRES: _____

ATTORNEY DOCKET NO: CXU-454**JOINT INVENTION ASSIGNMENT OF WORLDWIDE RIGHTS**

WHEREAS, we, Gayatri Keskar, a citizen of India, residing at 1108 Tiger Boulevard, Apartment 110, Clemson, South Carolina 29631; Wei Wang, a citizen of China, residing at 5525 Ellsworth Avenue, Apartment 9, Pittsburgh, Pennsylvania 15232-1866; and Apparao M. Rao, a citizen of the United States, residing at 107 Lyndhurst Drive, Anderson, South Carolina 29621, as assignors, have made an invention entitled **PROCESS FOR PREPARING CARBON NANOSTRUCTURES WITH TAILORED PROPERTIES AND PRODUCTS UTILIZING SAME** as described in a patent application for U.S. Letters Patent, bearing U.S. Serial No.11/134,052 which was filed in the U.S. Patent and Trademark Office on May 20, 2005; and

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NOW, THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such

applications, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof, and we hereby authorize and request the Commissioner for Patents of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Agreement.

AND, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed, and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title of this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

