27.04 (MAY 2 / 2004)	D&M Docket No. CXU-383
Form PTO-1595 (Rev. 10/02)  OMB No. 0651-0027 (exp. e/80/2005)  Tab settings $\Rightarrow \Rightarrow \Rightarrow \qquad $	
1. Name of conveying party(ies):  Igor A. Luzinov  Killugudi L. Sawminatha Iyer  Viktor Z. Klep  Bogdan V. Zdyrko  Additional name(s) of conveying party(ies) attached?  Yes ✓ No	2. Name and address of receiving party(ies)  Name: Clemson University  Internal Address:
3. Nature of conveyance:   ✓ Assignment	Street Address:  City: Clemson State: SC Zip: 29631
Execution Date:	Additional name(s) & address(es) attached? Yes 🕢 No
4. Application number(s) or patent number(s):  If this document is being filed together with a new application No.(s) 10/773,120  Additional numbers attemptions are provided in the company of the comp	cation, the execution date of the application is:  B. Patent No.(s)
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved:
concerning document should be mailed:	7. Total fee (37 CFR 3.41)\$40.00
Name: DORITY & MANNING, P.A.  Internal Address: P.O. BOX 1449  Greenville, SC 29602-1449	Enclosed  Authorized to be charged to deposit account
Street Address: One Liberty Square	8. Deposit account number:  04-1403
55 Beattie Place, Suite 1600	
City: Greenville State: SC Zip: 29601	05/28/2004 SDENBOB1 00000006 10773120 05 FC:8021 40.00 OP
DO NOT USE THIS SPACE	
9. Signature.  Christina L. Mangelsen  Name of Person Signing	Signature Date

Mail documents to be recorded with required cover sheet information to:

DM-10/2003

ATTORNEY DOCKET NO: CXU-383

## JOINT INVENTION ASSIGNMENT OF WORLDWIDE RIGHTS

WHEREAS, we, Igor A. Luzinov, a citizen of Ukraine, residing at 257 Briarcliff Road, Central, South Carolina 29630; Killugudi L. Swaminatha Iyer, a citizen of India, residing at 145 Cochran Road, No. 4, Clemson, South Carolina 29631; Viktor Z. Klep, a citizen of Ukraine, residing at 145 Cochran Road, No. 1, Clemson, South Carolina 29631; and Bogdan V. Zdyrko, a citizen of Ukraine, residing at 145 Cochran Road, No. 4, Clemson, South Carolina 29631, as assignors, have made an invention entitled SURFACE MODIFICATION OF SUBSTRATES as described and set forth in an application for Letters Patent of the United States of America, as filed February 5, 2004, and assigned USSN 10/773,120; 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

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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.

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IN TESTIMONY WHEREOF, we have hereunto set our hands.	
du N	
Signature of First Inventor  Igor A. Luzinov  Date: 05/17/2004	
STATE OF $S.C.$	
COUNTY OF Oconee.	
SWORN TO AND SUBSCRIBED before me this 17th day of May, 2004.	
NOTARY PUBLIC FOR: The State of S.C. MY COMMISSION EXPIRES Commission Expires January 30, 2011	
MY COMMISSION EXPIRE COMMISSION Expires sentently of the	
Signature of Second Inventor	
Killugudi L. Swaminatha Iyer	
STATE OF <u>5.C</u> )  COUNTY OF <u>Oconee</u> )	
COUNTY OF Ocones	
SWORN TO AND SUBSCRIBED before me this 1711 day of May, 2004.	
NOTARY PUBLIC FOR: The State of SC.  MY COMMISSION EXPIRES: COMMISSION EXPIRES TO SO 2011	
Au	
Signature of Third Inventor	
Viktor Z. Klep  Date:	
STATE OF STA	
COUNTY OF OCONSC )	
SWORN TO AND SUBSCRIBED before me this 17th day of May, 2004.	
NOTARY PUBLIC FOR: Ho State of S.C.  MY COMMISSION EXPIRES: My Commission Expires January 30, 2011	

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	They	
	Signature of Fourth Inventor	
	Bogdan V. Zdyrko	
$C \Lambda$	Date: 05/17/2004	
STATE OF SC		
COUNTY OF OCTIVEE		
SWORN TO AND SUBSCRIBED before me this 1744 day of May, 2004.		
NOTARY PUBLIC FOR: the State of	OF S.C.	
MY COMMISSION EXPIRES: My Commiss	ion Expires January 30, 2011	

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**RECORDED: 05/27/2004** 

PATENT REEL: 015422 FRAME: 0294