

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>Sebastian Bawab</td> <td>03/04/2009</td> </tr> <tr> <td>Stacie Ringleb</td> <td>03/04/2009</td> </tr> <tr> <td>Manish Kalmegh</td> <td>02/16/2010</td> </tr> </tbody> </table>		Name	Execution Date	Sebastian Bawab	03/04/2009	Stacie Ringleb	03/04/2009	Manish Kalmegh	02/16/2010
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Sebastian Bawab	03/04/2009								
Stacie Ringleb	03/04/2009								
Manish Kalmegh	02/16/2010								
RECEIVING PARTY DATA									
Name:	Old Dominion University Research Foundation								
Street Address:	4111 Monarch Way, Suite 203								
City:	Norfolk								
State/Country:	VIRGINIA								
Postal Code:	23508								
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>12707233</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12707233				
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Application Number:	12707233								
CORRESPONDENCE DATA									
Fax Number:	5618477801								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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ATTORNEY DOCKET NUMBER:	7967-27-1 (19136.0027)								
NAME OF SUBMITTER:	Michael P. Byrne								
Total Attachments: 3 source=P0171031#page1.tif source=P0171031#page2.tif source=P0171032#page1.tif									

OP \$40.00 12707233

ASSIGNMENT

WHEREAS, we, the below-named inventors whose residences are as stated below, have invented certain new and useful improvements in a DEVICE FOR MEASURING LOAD AND DEFLECTION OF MATERIALS, for which an application for Letters Patent has been made and filed with the U.S. Patent and Trademark Office on February 17, 2009, and assigned U.S. Application No. 61/152,993;

WHEREAS, OLD DOMINION UNIVERSITY RESEARCH FOUNDATION, existing by virtue of the laws of the State of Virginia, and having an office at 2035 Hughes Hall, Norfolk, Virginia 23529, hereinafter called the ASSIGNEE, is desirous of acquiring the entire right, title and interest in the application and invention and to any Letters Patent that may be granted therefore in the United States of America and in any and all foreign countries.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign to ASSIGNEE the entire right, title and interest in the application and the invention, to all rights of priority thereto pursuant to the international Convention for the Protection of Industrial Property, and in any Letters Patent on the invention that may be granted in the United States of America and in any and all foreign countries, including any and all Letters Patent that are divisions, reissues, continuations, substitutions or extensions of any Letters Patent or applications therefore on the invention.

We hereby authorize and request the Commissioner of the United States Patent and Trademark Office and the officials of any and all foreign countries to issue any and all of said Letters Patent, when granted, to the ASSIGNEE.

Further, we hereby agree to communicate to said ASSIGNEE or its representatives any facts known to us respecting said invention, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, to execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, and to make all rightful oaths and generally do everything possible to aid said ASSIGNEE and its representatives to obtain and enforce proper protection for said invention in the United States of America and in any and all foreign countries.

We further agree that the terms, covenants and conditions of this assignment shall inure to the benefit of ASSIGNEE, its successors, assigns, and legal representatives, and shall be binding on us, our heirs, legal representatives, and assigns.

Full name of inventor: **Sebastian Bawab**

Signature: [Handwritten Signature] Date: 3/4/09

Residence: 238 Kaufman Hall, Norfolk, Virginia 23529-0247

State of Virginia County of Norfolk)

On this 4th day of March, 2009, before me, a Notary Public in and for the County and State aforesaid, appeared SEBASTIAN BAWAB, to me personally known to be the same person whose name is subscribed to the foregoing instrument, or who has produced Driver's License as identification, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.



[Handwritten Signature]
Notary Public
My Commission Expires: August 31 2012

SEAL

(WP572032,1)

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Full name of inventor: **Stacie Ringleb**

Signature: Stacie Ringleb Date: 3/4/09

Residence: 238 Kaufman Hall, Norfolk, Virginia 23529-0247

State of Virginia) County of Norfolk)

On this 4th day of March, 2009, before me, a Notary Public in and for the County and State aforesaid, appeared STACIE RINGLEB, to me personally known to be the same person whose name is subscribed to the foregoing instrument, or who has produced _____ as identification, and acknowledged that she executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.



Sandra Dawn Habelt
Notary Public

My Commission Expires: August 31, 2012

SEAL

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ODU Ref. 08022

ASSIGNMENT

WHEREAS, I/We, the undersigned, residing at the indicated addresses given below, have invented certain new and useful improvements in a DEVICE FOR MEASURING LOAD AND DEFLECTION OF MATERIALS, for which U.S. Application No. 61/152,993, was filed on Feb 17th, 2009.

WHEREAS, by virtue of my/our employment/appointment with the OLD DOMINION UNIVERSITY, I am obligated to assign any rights in the said invention to the OLD DOMINION UNIVERSITY or its designee;

WHEREAS, the OLD DOMINION UNIVERSITY has designated the OLD DOMINION RESEARCH FOUNDATION, existing by virtue of the laws of the State of Virginia, and having an office at 4111 Monarch way, Suite 204, Norfolk, VA 23508, to be the assignee of the entire right, title and interest in and to the said invention;

WHEREAS, the OLD DOMINION RESEARCH FOUNDATION is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent which may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in view of good and valuable consideration, the sufficiency and receipts of which is hereby acknowledged, I, the undersigned, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer, unto said OLD DOMINION RESEARCH FOUNDATION, its successors and assigns, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries 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, and extensions thereof.

I hereby authorize and request the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said OLD DOMINION RESEARCH FOUNDATION, as the assignee of the entire right, title and interest in and to the same, for the sole use and behalf of said OLD DOMINION RESEARCH FOUNDATION, its successors and assigns.

FURTHER, I agree that I will communicate to said OLD DOMINION RESEARCH FOUNDATION, or its representatives, any facts known to me respecting said invention; testify in any legal proceedings; sign all lawful papers; execute all divisional, continuation, substitution, renewal, and reissue applications; execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said OLD DOMINION RESEARCH FOUNDATION, make all rightful oaths, and generally do everything possible to aid the said OLD DOMINION RESEARCH FOUNDATION, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 16 day of February, 2010.

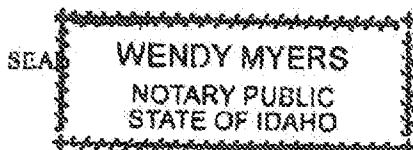
Signed: [Signature]

Print Name of Inventor #3 Manish Kalmegh State of Idaho County of Bannock

On this 16 day of February, 2010, personally appeared before me the above-named Manish Kalmegh to me known to be the person described in the foregoing instrument, who executed the foregoing instrument, and who acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

Wendy Myers
Notary Public

My Commission Expires: 2/3/12



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