

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Forest J. Carignan</td> <td>03/20/2012</td> </tr> <tr> <td>Bruce F. White</td> <td>03/20/2012</td> </tr> </tbody> </table>		Name	Execution Date	Forest J. Carignan	03/20/2012	Bruce F. White	03/20/2012
Name	Execution Date						
Forest J. Carignan	03/20/2012						
Bruce F. White	03/20/2012						
RECEIVING PARTY DATA							
Name:	Advanced Mechanical Technology, Inc.						
Street Address:	176 Waltham Street						
City:	Watertown						
State/Country:	MASSACHUSETTS						
Postal Code:	02472						
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>13295610</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13295610		
Property Type	Number						
Application Number:	13295610						
CORRESPONDENCE DATA							
Fax Number:	(978)341-0136						
Phone:	978-341-0036						
Email:	Sharon.Stanizzi@hbsr.com						
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>							
Correspondent Name:	James M. Smith						
Address Line 1:	530 Virginia Road, P.O. Box 9133						
Address Line 2:	Hamilton, Brook, Smith & Reynolds, P.C.						
Address Line 4:	Concord, MASSACHUSETTS 01742-9133						
ATTORNEY DOCKET NUMBER:	0422.2012-001						
NAME OF SUBMITTER:	Sharon Stanizzi						
Total Attachments: 3 source=04222012001ASG#page1.tif source=04222012001ASG#page2.tif source=04222012001ASG#page3.tif							

CH \$40.00 13295610

JointASSIGNMENT

WHEREAS, we, **Forest J. Carignan and Bruce F. White**, have invented a certain improvement in **Method And Apparatus For Joint Motion Simulation** described in an application for Patent,

- the specification of which is about to be filed in the United States Patent Office (*use for utility (37 CFR § 1.53(b)) and design filings only*);
- is about to be filed in the United States Patent Office as a Provisional Application;
- the specification of which is United States Application No. **13/295,610**, filed **November 14, 2011**;
- the specification of which is a Patent Cooperation Treaty Application, International Application No. [    ], filed [    ], which designates the United States of America [and is assigned United States Application No. [    ]];
- which was patented under United States Patent No. [    ].

WHEREAS, **Advanced Mechanical Technology, Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **Commonwealth of Massachusetts**, and having a usual place of business at **176 Waltham Street, Watertown, Massachusetts 02472** desires to confirm its interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, 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 us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein; we hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature: [Handwritten Signature]  
Forest J. Carignan

State/Commonwealth of Mass  
County of Middlesex

On this 20<sup>th</sup> day of March 2012, before me, the undersigned notary public, personally appeared Forest J. Carignan,

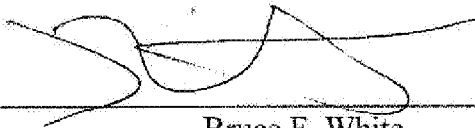
- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

Mass Lic.

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public [Handwritten Signature]  
Lu Ann Lee Luong (print name)  
My Commission expires 11/27/17

Inventor's Signature:   
Bruce F. White

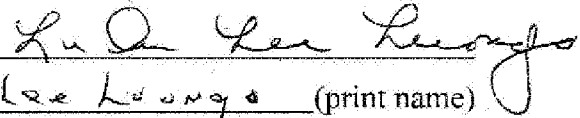
State/Commonwealth  
of Mass  
County of Middlesex

On this 20<sup>th</sup> day of March 2012, before me, the undersigned notary  
public, personally appeared Bruce F. White,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was  
Mass License

to be the person whose name was signed on the foregoing instrument in my presence, and  
acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public   
Lu Ann Lee Luongo (print name)  
My Commission expires 11/24/17