

PATENT ASSIGNMENT

Electronic Version v1.1
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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>John E. CIOLFI</td> <td>01/10/2013</td> </tr> <tr> <td>Pieter J. MOSTERMAN</td> <td>01/10/2013</td> </tr> <tr> <td>Jay R. TORGERSON</td> <td>01/09/2013</td> </tr> <tr> <td>Daniel F. HIGGINS</td> <td>01/09/2013</td> </tr> </tbody> </table>		Name	Execution Date	John E. CIOLFI	01/10/2013	Pieter J. MOSTERMAN	01/10/2013	Jay R. TORGERSON	01/09/2013	Daniel F. HIGGINS	01/09/2013
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Daniel F. HIGGINS	01/09/2013										
RECEIVING PARTY DATA											
Name:	The MathWorks, Inc.										
Street Address:	3 Apple Hill Drive										
City:	Natick										
State/Country:	MASSACHUSETTS										
Postal Code:	01760-2098										
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>13730198</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13730198						
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CORRESPONDENCE DATA											
Fax Number:	5714320808										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	571-432-0800										
Email:	bfredrick@harrityllp.com										
Correspondent Name:	HARRITY & HARRITY, LLP										
Address Line 1:	11350 Random Hills Road										
Address Line 2:	Suite 600										
Address Line 4:	Fairfax, VIRGINIA 22030										
ATTORNEY DOCKET NUMBER:	0069-0179CP3										
NAME OF SUBMITTER:	John E. Harrity										
Signature:	/John E. Harrity, Reg. No. 43,367/										

OP \$40.00 13730198

PATENT

Date:

06/24/2013

Total Attachments: 7

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**ASSIGNMENT
(Joint)
Worldwide Rights**

THIS ASSIGNMENT, by John E. CIOLFI, Pieter J. MOSTERMAN, Jay R. TORGERSON, Daniel F. HIGGINS, and Paul F. KINNUCAN residing at 32 Pickerel Road, Wellesley, MA 02482, USA, 72 Nicholas Road, Apt. 63, Framingham, MA 01701, USA, 8 Elizabeth Rd., Hopkinton, MA 01748, USA, 28 W. Elm St., Hopkinton, MA 01748, USA, and 224 Eliot Street, Milton, MA 02186, USA (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in LINKING OF MODEL ELEMENTS TO SPATIAL ELEMENTS set forth in an application for Letters Patent of the United States,

- (1) which is a provisional application
 - (a) filed herewith; or
 - (b) bearing Application No. _____, and filed on _____; or
- (2) which is a non-provisional application
 - (a) bearing Application No. 13/730,198, and filed on December 28, 2012; or
 - (b) filed herewith; and

We hereby authorize Applicants' representative to fill in the preceding information relating to the filing date and/or serial number, as appropriate.

WHEREAS, The MathWorks, Inc., a corporation of the state of Delaware, having its principal place of business at 3 Apple Hill Drive, Natick, Massachusetts 01760-2098 (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, be it known that for good and valuable consideration, the receipt of which is hereby acknowledged, the Assignor has sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, any previously or subsequently filed provisional applications, and in and to any and all applications claiming priority to said applications, including divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

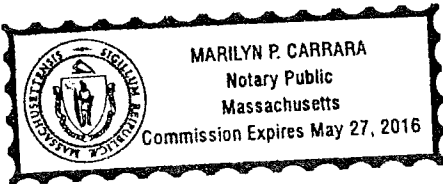
IN WITNESS WHEREOF, I hereto set my hand.

John E. CIOLFI
32 Pickerel Road, Wellesley, MA 02482, USA

Signature: [Handwritten Signature]
Date: JAN-10-2013

State of Massachusetts)
) ss:
County of Middlesex)

On this 10th day of January, 2013, before me, Marilyn P. Carrara, Notary Public, personally appeared John E. CIOLFI personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



[Notary's Seal Here]

WITNESS my hand and official seal.

[Handwritten Signature]
Signature of Notary Public
My Commission Expires: May 27, 2016

IN TESTIMONY WHEREOF, I have hereunto set my hand.

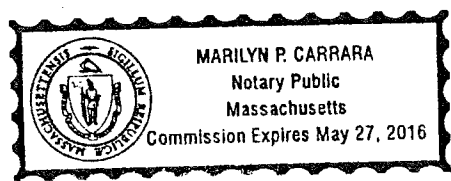
IN WITNESS WHEREOF, I hereto set my hand.

Pieter J. MOSTERMAN
72 Nicholas Road, Apt. 63, Framingham, MA 01701, USA

Signature: [Signature]
Date: JAN 10 2013

State of Massachusetts)
) ss:
County of Middlesex)

On this 10th day of January, 2013, before me, Marilyn P. Carrara, Notary Public, personally appeared Pieter J. MOSTERMAN personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she~~/they executed the same in his/~~her~~/their authorized capacity, and that by his/~~her~~/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



[Notary's Seal Here]

WITNESS my hand and official seal.

Marilyn P. Carrara
Signature of Notary Public
My Commission Expires: May 27, 2016

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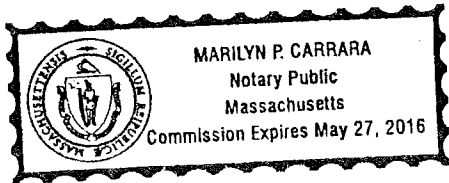
IN WITNESS WHEREOF, I hereto set my hand.

Jay R. TORGERSON
8 Elizabeth Rd., Hopkinton, MA 01748, USA

Date: 1/9/13 Signature: [Signature]

State of Massachusetts)
County of Middlesex) ss:

On this 9th day of January, 2013, before me, Marilyn P. Carrara, Notary Public, personally appeared Jay R. TORGERSON personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name is/are subscribed to the within instrument and acknowledged to me that he/~~she~~/they executed the same in his/~~her~~/their authorized capacity, and that by his/~~her~~/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



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[Signature]
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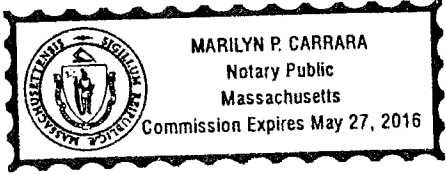
IN WITNESS WHEREOF, I hereto set my hand.

Daniel F. HIGGINS
28 W. Elm St., Hopkinton, MA 01748, USA

Signature: [Handwritten Signature]
Date: 1/9/13

State of Massachusetts)
) ss:
County of Middlesex

On this 9th day of January, 2013, before me, Marilyn P. Carrara Notary Public, personally appeared Daniel F. HIGGINS personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



[Notary's Seal Here]

WITNESS my hand and official seal.

Marilyn P. Carrara
Signature of Notary Public
My Commission Expires: May 27, 2016

IN TESTIMONY WHEREOF, I have hereunto set my hand.

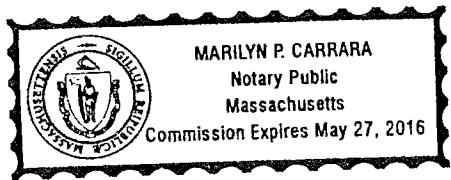
IN WITNESS WHEREOF, I hereto set my hand.

Paul F. KINNUCAN
224 Eliot Street, Milton, MA 02186, USA

Signature: Paul F. Kinnucan
Date: 1/10/2013

State of Massachusetts)
County of Middlesex) ss:

On this 10th day of January, 2013, before me, Marilyn P. Carrara, Notary Public, personally appeared Paul F. KINNUCAN personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name is/are subscribed to the within instrument and acknowledged to me that he/~~she~~/they executed the same in his/her/their authorized capacity, and that by his/~~her~~/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



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