

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>John Edward CIOLFI</td><td>03/19/2010</td></tr><tr><td>Ramamurthy MANI</td><td>03/19/2010</td></tr><tr><td>Qu ZHANG</td><td>03/19/2010</td></tr></tbody></table>		Name	Execution Date	John Edward CIOLFI	03/19/2010	Ramamurthy MANI	03/19/2010	Qu ZHANG	03/19/2010		
Name	Execution Date										
John Edward CIOLFI	03/19/2010										
Ramamurthy MANI	03/19/2010										
Qu ZHANG	03/19/2010										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>The MathWorks, Inc.</td></tr><tr><td>Street Address:</td><td>3 Apple Hill Drive</td></tr><tr><td>City:</td><td>Natick</td></tr><tr><td>State/Country:</td><td>MASSACHUSETTS</td></tr><tr><td>Postal Code:</td><td>01760</td></tr></table>		Name:	The MathWorks, Inc.	Street Address:	3 Apple Hill Drive	City:	Natick	State/Country:	MASSACHUSETTS	Postal Code:	01760
Name:	The MathWorks, Inc.										
Street Address:	3 Apple Hill Drive										
City:	Natick										
State/Country:	MASSACHUSETTS										
Postal Code:	01760										
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>12634500</td></tr></tbody></table>		Property Type	Number	Application Number:	12634500						
Property Type	Number										
Application Number:	12634500										
CORRESPONDENCE DATA											
Fax Number: (617)742-4214 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 617 227 7400											
Email: lea@lahive.com											
Correspondent Name: Kevin J. Canning											
Address Line 1: LAHIVE & COCKFIELD, LLP/THE MATHWORKS											
Address Line 2: One Post Office Square											
Address Line 4: Boston, MASSACHUSETTS 02109-2127											
ATTORNEY DOCKET NUMBER:	MWS-367(2)										
NAME OF SUBMITTER:	Kevin J. Canning										
Total Attachments: 5 source=MWS-367_2_Assignment#page1.tif											

CH \$40.00 12634500

501125298

PATENT
REEL: 024112 FRAME: 0501

source=MWS-367_2_Assignment#page2.tif
source=MWS-367_2_Assignment#page3.tif
source=MWS-367_2_Assignment#page4.tif
source=MWS-367_2_Assignment#page5.tif

ASSIGNMENT BY INVENTORS

WE, John Edward CIOLFI; Ramamurthy MANI; and Qu ZHANG, of Wellesley, Massachusetts; Wayland, Massachusetts; and Holliston, Massachusetts, respectively, in consideration of One Dollar and other valuable consideration paid to us by

The MathWorks, Inc.

a Corporation of Delaware, having its principal place of business at 3 Apple Hill Drive, Natick, Massachusetts 01760, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

The MathWorks, Inc.

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

MULTI-THREADED SUBGRAPH EXECUTION CONTROL IN A GRAPHICAL MODELING ENVIRONMENT

described in an application

☐ Executed by us of even date herewith and about to be filed

or

☒ Application No. 12/634,500, filed on December 9, 2009

This application claims the benefit of the following provisional application(s):

☒ Provisional Application No. 61/121747, filed on December 11, 2008

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said Corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said Corporation, with specifications and claims in such form as shall be approved by the counsel of said Corporation and to vest and confirm in said Corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said Corporation, its successors and assigns.

And we do further hereby grant the attorneys/agents of Lahive & Cockfield, LLP, the power to insert on this Assignment the filing date and/or application number of said application.

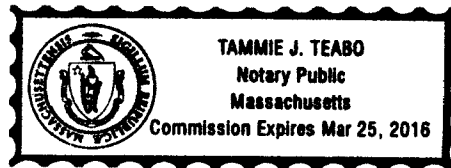
John Edward Ciolfi
John Edward Ciolfi

Date: 3-19-2010

United States of America)
State of Massachusetts) ss.:
County of Middlesex)

On this 19th day of March, 2010 before me, the
the undersigned notary public, personally appeared John Edward Ciolfi
(name of document signer), proved to me through satisfactory evidence of identification,
which was Massachusetts drivers license, to be the person whose name
is signed on the preceding or attached document in my presence.

Tammie J. Teabo (official signature and seal of notary)
My commission expires 03/25/2016



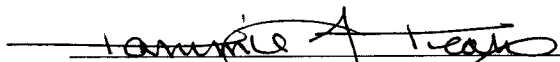


Ramamurthy Mani

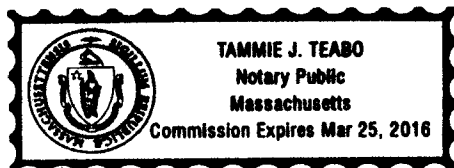
Date: 3/19/10

United States of America)
State of Massachusetts) ss.:
County of Middlesex)

On this 19th day of March, 2010 before me, the
the undersigned notary public, personally appeared Ramamurthy Mani
(name of document signer), proved to me through satisfactory evidence of identification,
which was Massachusetts drivers license, to be the person whose name
is signed on the preceding or attached document in my presence.

 (official signature and seal of notary)

My commission expires 03/25/2016



[Signature]
Qu Zhang

Date: 03/19/2010

United States of America)
State of Massachusetts) ss.:
County of Middlesex)

On this 19th day of March, 2010 before me, the
the undersigned notary public, personally appeared Qu Zhang
(name of document signer), proved to me through satisfactory evidence of identification,
which was Massachusetts drivers license, to be the person whose name
is signed on the preceding or attached document in my presence.

[Signature] (official signature and seal of notary)
My commission expires 03/25/2016

