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OMB No. 0651-0027 (exp. 5/31/2002)

# 102792129 REGISTRATION FORM COVER SHEET PATENTS ONLY

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U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

## 1. Name of conveying party(ies):

RICARDO E. PAXSON (04/26/2004), JOSEPH F. HICKLIN (04/26/2004), RAMAMURTHY MANI (04/28/2004), AND EDWARD WHITTINGTON GULLEY (04/27/2004)

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

## 2. Name and address of receiving party(ies)

Name: The MathWorks, Inc.

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

3 Apple Hill Drive

City: NatickState: MAZip: 01760

Additional name(s) &amp; address(es) attached:

☐ Yes ☒ No

## 3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_Execution Date: see Box 1, conveying parties

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the new application is: \_\_\_\_\_

A. Patent Application No.(s):

10/783628

B. Patent No.(s): \_\_\_\_\_

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Kevin J. Canning  
LAHIVE & COCKFIELD, LLPInternal Address: Atty. Dkt.: MWS-108Street Address:  
28 State StreetCity:  
BostonState: MA Zip: 02109

## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 3.41)

\$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account☐ Authorized to be charged to credit card  
(Form 2038 enclosed)

## 8. Deposit account number:

12-0080

(Attach duplicate copy of this page if paying by deposit account)

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## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Kevin J. Canning - 35,470  
Name of Person SigningKevin J. Canning  
SignatureJuly 8, 2004  
DateTotal number of pages including cover sheet, attachments, and documents: 6

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: MS Assignment Recordation Services, Director of the US Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: July 8, 2004Signature: Kevin J. Canning

(Kevin J. Canning)

07/14/2004 6TON11 00000097 120080 10783628

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PATENT  
REEL: 015554 FRAME: 0128

## ASSIGNMENT BY INVENTORS

WE, Ricardo E. PAXSON; Joseph F. HICKLIN; Ramamurthy MANI; and Edward Whittington GULLEY, of Boston, Massachusetts; Upton, Massachusetts; Needham, Massachusetts; and Watertown, 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

METHOD AND APPARATUS FOR INTEGRATED MODELING, SIMULATION AND  
ANALYSIS OF CHEMICAL AND BIOCHEMICAL REACTIONS

described in an application

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

or

☒ Application No. 10/783628, filed on February 20, 2004

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.



Ricardo E. Paxson

Date: 4/26/2004

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

On this 26<sup>th</sup> day of April, 2004 before me, the  
the undersigned notary public, personally appeared Ricardo E. Paxson  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was MA Driver's license, to be the person whose name  
is signed on the preceding or attached document in my presence.

Marilyn P. Carrara (official signature and seal of notary)

My commission expires June 12, 2009



4/24/04 Joseph F. Hicklin  
Joseph F. Hicklin

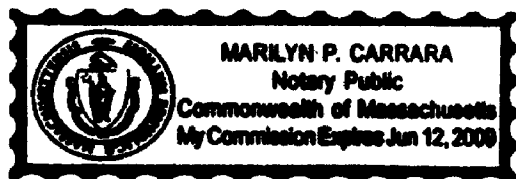
Date: 4/28/04

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

On this 26<sup>th</sup> day of April, 2004 before me, the  
the undersigned notary public, personally appeared Joseph F. Hicklin  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was MA Driver's License, to be the person whose name  
is signed on the preceding or attached document in my presence.

Marilyn P. Carrara (official signature and seal of notary)

My commission expires June 12, 2009



R. Mani

Ramanurthy Mani

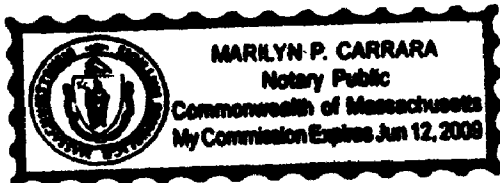
Date: 4/28/04

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

On this 28<sup>th</sup> day of April, 2004 before me, the  
 the undersigned notary public, personally appeared Ramanurthy Mani  
 (name of document signer), proved to me through satisfactory evidence of identification,  
 which was MA Driver's license, to be the person whose name  
 is signed on the preceding or attached document in my presence.

Marilyn P. Carrara (official signature and seal of notary)

My commission expires June 12, 2009



Edward Whittington Gulley

Edward Whittington Gulley

Date: 4/29/2004

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

On this 27<sup>th</sup> day of April, 2004 before me, the  
the undersigned notary public, personally appeared Edward Whittington Gulley  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was personal knowledge, to be the person whose name  
is signed on the preceding or attached document in my presence.

Marilyn P. Carrara (official signature and seal of notary)

My commission expires June 12, 2009