

05-30-2006

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

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103247150

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

Donald Paul OROFINO, II (9/8/2003), Michael
James LONGFRITZ (9/8/2003), Darel Allen
LINEBARGER (9/8/2003), and

Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s): in parentheses after inventor name

☒ Assignment ☐ Merger ☐ Change of Name

☐ Security Agreement ☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other

2. Name and address of receiving party(ies)

Name: The MathWorks, Inc.

Internal Address:

Street Address:

3 Apple Hill Drive

City: Natick

State: Massachusetts

Country: United States of America Zip: 01760

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No.(s)

This application

☒ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Kevin J. Canning
LAHIVE & COCKFIELD, LLP

Internal Address: Atty. Dkt.: MWS-052DV

Street Address: 28 State Street

City: Boston

State: MA Zip: 02109

Phone Number: (617) 227-7400

Fax Number: (617) 742-4214

Email Address:

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

☐ Authorized to be charged by credit card

☒ Authorized to be charged to deposit account

☐ Enclosed

☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers
Expiration Date

b. Deposit Account Number 12-0080

Authorized User Name Kevin J. Canning

9. Signature:

John S. Curran
Signature

John S. Curran - 50,445

Name of Person Signing

May 19, 2006

Date

Total number of pages including cover
sheet, attachments, and documents:

4

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Express Mail Label No. EV 682331970 US Dated: May 19, 2006

PATENT
REEL: 017918 FRAME: 0605

**RECORDATION FORM COVER SHEET
(continued)****Additional Conveying Party(ies)/Execution Date(s) (1. Continued):**

Ramamurthy MANI (9/8/2003)

Additional Assignees (2. Continued):

Assignee Name: _____

Internal Address: _____

Street Address: _____

City: _____ State: _____ Country: _____ Zip: _____

Assignee Name: _____

Internal Address: _____

Street Address: _____

City: _____ State: _____ Country: _____ Zip: _____

Assignee Name: _____

Internal Address: _____

Street Address: _____

City: _____ State: _____ Country: _____ Zip: _____

Additional Applications and/or Patents (4. Continued):Additional Patent Application Numbers
4A. Continued:Additional Patent Numbers
4B. Continued:

Additional numbers attached?

☐ Yes☐ No

ASSIGNMENT

We, Donald Paul Orofino, II of Sudbury, Massachusetts, Michael James Longfritz of Waltham, Massachusetts, Darel Allen Linebarger of Southborough, Massachusetts and Ramamurthy Mani of Needham, Massachusetts, and 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, MA., 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

APPLYING CONSTRAINTS TO BLOCK DIAGRAM MODELS

described in an application

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

☒ Serial No. 10/424,990, filed on April 28, 2003

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.

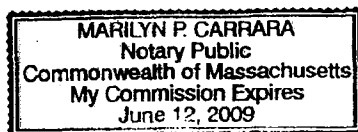
And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

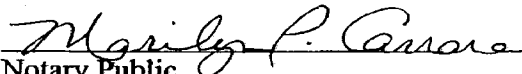
WITNESS my hand and seal this 8th day of September, 2003.

By: 
Donald Paul Orofino, II

Commonwealth of Massachusetts)
)ss
County of Middlesex)

Then personally appeared the above named Donald Paul Orofino, II and acknowledged the foregoing instrument to be his free act and deed, before me, this 8th day of September, 2003.




Notary Public

My commission expires: June 12, 2009

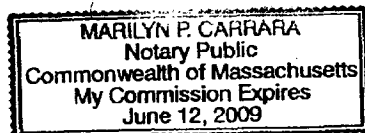
WITNESS my hand and seal this 8th day of September, 2003.

By: Michael James Longfritz

Michael James Longfritz

Commonwealth of Massachusetts)
County of Middlesex)ss

Then personally appeared the above named Michael James Longfritz and acknowledged the foregoing instrument to be his free act and deed, before me, this 8th day of September, 2003.



Marilyn P. Carrara
Notary Public

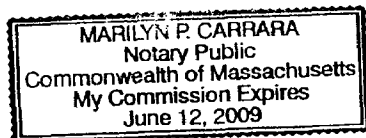
My commission expires: June 12, 2009

WITNESS my hand and seal this 8th day of September, 2003.

Commonwealth of Massachusetts)
County of Middlesex)ss

By: Darel Allen Linebarger
Darel Allen Linebarger

Then personally appeared the above named Darel Allen Linebarger and acknowledged the foregoing instrument to be his free act and deed, before me, this 8th day of September, 2003.



Marilyn P. Carrara
Notary Public

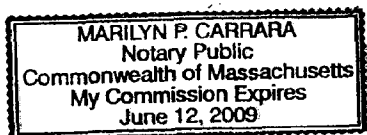
My commission expires: June 12, 2009

WITNESS my hand and seal this 8th day of September, 2003.

Commonwealth of Massachusetts)
County of Middlesex)ss

By: Ramamurthy Mani
Ramamurthy Mani

Then personally appeared the above named Ramamurthy Mani and acknowledged the foregoing instrument to be her free act and deed, before me, this 8th day of September, 2003.



Marilyn P. Carrara
Notary Public

My commission expires: June 12, 2009