


Form PTO-1595 (Rev. 03-05)
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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): David KOH (03/21/2005), Mary Ann NAZARIO (03/17/2005), and Donald Paul OROFINO, II (03/18/2005) Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: <u>The MathWorks, Inc.</u> Internal Address: _____ Street Address: <u>3 Apple Hill Drive</u> City: <u>Natick</u> State: <u>Massachusetts</u> Country: <u>United States of America</u> Zip: <u>01760</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance/Execution Date(s): Execution Date(s): in parentheses after inventor name <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____	4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application A. Patent Application No (s) <u>11/028172</u> B. Patent No (s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Kevin J. Canning</u> <u>LAHIVE & COCKFIELD, LLP</u> Internal Address: <u>Atty. Dkt. MWS-170</u> Street Address: <u>28 State Street</u> City: <u>Boston</u> State: <u>MA</u> Zip: <u>02109</u> Phone Number: <u>(617) 227-7400</u> Fax Number: <u>(617) 742-4214</u> Email Address: _____	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u> <input type="checkbox"/> Authorized to be charged by credit card <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)
8. Payment Information a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number <u>12-0080</u> Authorized User Name <u>Kevin J. Canning</u>	
9. Signature: <div style="text-align: center; margin-top: 20px;">  Signature </div> <div style="text-align: right; margin-top: 10px;"> April 26, 2005 Date </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> <u>Kevin J. Canning - 35,470</u> Name of Person Signing </div> <div> Total number of pages including cover sheet, attachments, and documents: 6 </div> </div>	

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, facsimile no. (703) 306-5995 at 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: April 26, 2005

Signature: 

(Kevin J. Canning)

PATENT

REEL: 016171 FRAME: 0643

700174289

CH \$40.00 120080 11028172

ASSIGNMENT BY INVENTORS

WE, David KOH; Mary Ann NAZARIO; and Donald Paul OROFINO, II, of Boston, Massachusetts; Waltham, Massachusetts; and Sudbury, 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

Framework for Hardware Co-Simulation by On-Demand Invocations from a Block Model
Diagram Design Environment

described in an application

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

or

☒ Application No. 11/028172, filed on December 30, 2004

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

☒ Provisional Application No. 60/611617, filed on September 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.



David Koh

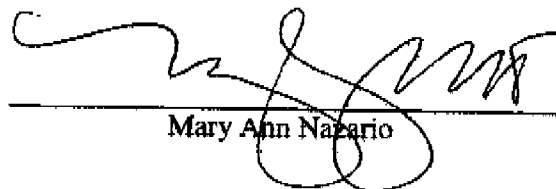
Date: 21 Mar 2005

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

On this 21st day of March, 2005 before me, the
the undersigned notary public, personally appeared David Koh
(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

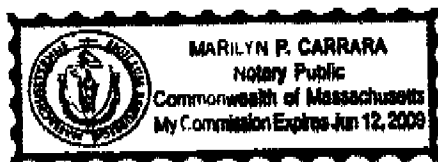

Mary Ann Nazario

Date: March 17, 2004

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

On this 17th day of March, 2005 before me, the
the undersigned notary public, personally appeared Mary Ann Nazario
(name of document signer), proved to me through satisfactory evidence of identification,
which was MA driver's licence, 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, 2007



Donald Paul Orofino, II

Date: 18 March 2005

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

On this 18th day of March, 2005 before me, the
the undersigned notary public, personally appeared
(name of document signer), proved to me through satisfactory evidence of identification,
which was Donald Paul Orofino, II, 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

