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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(les): Vijay RAGHAVAN (11/09/2005) and Ebrahim Mehran MESTCHIAN (11/09/2005) and Ebrahim Mehran MESTCHIAN (11/09/2005). Additional name(s) of conveying partyline pa		M COVER SHEET
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1. Name of conveying party(lee): Vijay RAGHAVAN (11/14/2005) and Ebrahim Mehran MESTCHIAN (11/19/2005) Additional name(s) of conveying party(lee) attached? Assignment	To the Director of the U.S. Patent and Trademark Office: Please	record the attached documents or the new address(es) below.
Mehran MESTCHIAN (11/09/2005) Additional name(s) of conveying partylies attached? Yes X No 3. Nature of conveyance/Execution Date(s): Execution Date(s): In parentheses after inventor name X Assignment Merger Change of Name Security Agreement Joint Research Agreement Government Interest Assignment City: Natick State: Massachusetts Country: United States of America Zip: 01760 Additional name(s) & address(s) Yes X No 4. Application or patent number(s): This document is being filed together with a new application. B. Patent No.(s) 11/237028 Additional numbers attached? Yes X 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-207 Street Address: 28 State Street Authorized to be charged to deposit account Enclosed None required (government interest not affecting title; Signature December 19, 2005 Date	Name of conveying party(les):	
Additional name(s) of convey/ing party(se) attached? Yes X No 3. Nature of convey/ana/Execution Date(s): Execution Date(s): In parentheses after inventor name	Vijay RAGHAVAN (11/14/2005) and Ebrahim	Name: The MathWorks Inc.
Additional name(s) of conveying partylies) attached?	Menran MESTCHIAN (11/09/2005)	
Execution Date(s): In parentheses after inventor name X Assignment	Additional name(s) of conveying party(ies) attached? Yes X No	
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Security Agreement Joint Research Agreement Government Interest Assignment Executive Order 9424, Confirmatory License Other A. Application or patent number(s): A. Patent Application No.(s) 11/237028 Additional numbers ettached? Additional number is being filed together with a new application. B. Patent No.(s) B. Patent No.(s) 5. Name and address to whom correspondence concerning document should be mailed: Name: Kevin J. Canning LAHIVE & COCKFIELD, LLP Internal Address: Atty, Dkt.: MWS-207 Street Address: 28 State Street City: Boston State: MA Zip: 02109 Phone Number: (617) 227-7400 Fax Number: (617) 742-4214 Email Address: (617) 742-4214 Email Address: Signature: December 19, 2005 Date Kevin J. Canning - 35,470 Total number of pages including cover (4)	Execution Date(s): in parentheses after inventor name	3 Apple HIII Drive
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Country: United States of America ZIp: 01760 Additional name(s) & address(es) Yes X No 4. Application or patent number(s): A. Patent Application No.(s) 11/237028 Additional numbers attached? Additional numbers attached? This document is being filed together with a new application. B. Patent No.(s) 5. Name and address to whom correspondence concerning document should be mailed: Name: Kevin J. Canning LAHIVE & COCKFIELD, LLP Internal Address: Atty. Dkt.: MWS-207 Street Address: 28 State Street City: Boston State: MA Zip: 02109 Phone Number: (617) 227-7400 Fax Number: (617) 742-4214 Email Address: 9. Signature: December 19, 2005 Date Kevin J. Canning - 35,470 Total number of pages Including cover 4	Security Agreement Joint Research Agreement	City: Natick
Country: United States of America Zip: 01760 Additional name(s) & adoress(es) Yes X No 4. Application or patent number(s): A. Patent Application No.(s) 11/237028 Additional numbers attached? B. Patent No.(s) 5. Name and address to whom correspondence concerning document should be mailed: Name: Kevin J. Canning LAHIVE & COCKFIELD, LLP Internal Address: 28 State Street Authorized to be charged by credit card X. Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) City: Boston State: MA Zip: 02109 Phone Number: (617) 227-7400 Fax Number: (617) 742-4214 Email Address: 9. Signature: December 19, 2005 Date Kevin J. Canning - 35,470 Total number of pages including cover 4	Government Interest Assignment	State: Massachusetts
Additional name(s) & address(es) 4. Application or patent number(s): A. Patent Application No.(s) 11/237028 Additional numbers attached? Additional numbers attached: B. Patent No.(s) 5. Name and address to whom correspondence and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged to deposit account attached? Authorized to be charged to deposit account attached? Authorized to be charged to deposit account attached? Authorized (government interest not affecting title) State: MA Zip: O2109 Fax Number: (617) 227-7400 Fax Number: (617) 742-4214 Email Address: 9. Signature: December 19, 2005 Date Total number of pages including cover Authorized under the pages in cove	Executive Order 9424, Confirmatory License	Country: United States of America Zin: 01760
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Fax Number: 617) 742-4214 b. Deposit Account Number 12-0080 Authorized User Name Kevin J. Canning 9. Signature: December 19, 2005 Signature Kevin J. Canning - 35,470 Total number of pages Including cover 4		a. Credit Card Last 4 Numbers
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I hereby certify that this correspondence is being facelimite transmitted to the Patent and Trademark Office, faceimite no. (571) 273-0140 at MS Assignment Recordation Services Commissioner for Patents, P. 9. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: December 19, 2005

Signature: (Kevin J. Canning)

Daled: December 19, 2005

(Kévin J. Çanning)

PATENT REEL: 017129 FRAME: 0534

ASSIGNMENT BY INVENTORS

WE, Vijay RAGHAVAN and Ebrahim Mehran MESTCHIAN, of Framingham, Massachusetts and Newton, 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

STAGE EVALUATION OF A STATE MACHINE

described in an application
Executed by us of even date herewith and about to be filed
or
X Application No. 11/237028, filed on September 28, 2005

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.

> MWS-207 **PATENT REEL: 017129 FRAME: 0535**

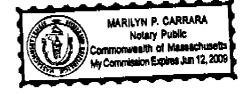
Date: 11/14/2005
United States of America State of lassachusetts ss.: County of Middle 144
On this 14 day of November, 2005 before me, the the undersigned notary public, personally appeared Vigy Raghavan (name of document signer), proved to me through satisfactory evidence of identification, which was MA driver's license, to be the person whose name is signed on the preceding or attached document in my presence.
My commission expires Tune 12, 2009 [Official signature and seal of notary]



REEL: 017129 FRAME: 0536

Ebrahim Mehran Mestchian

Date: 11/9/2005
United States of America
State of Massachuse + 13 88.:
County of $M: dd le ce + \dots$
On this
Month Canona (official signature and seal of notary)
My commission expires 14 ne 12 2009



PATENT REEL: 017129 FRAME: 0537

RECORDED: 12/19/2005

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