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Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): Ramamurthy Mani and Don Orofino Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): The MathWorks, Inc. 3 Apple Hill Drive Natick, MA 01760-2098 Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: August 7, 2001	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s): 09/908,096 B. Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed: CATHY L. PETERSON Fish & Richardson P.C. 225 Franklin Street Boston, Massachusetts 02110-2804	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: <i>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.</i> Cathy L. Peterson Reg. No. 41,249 Name of Person Signing Signature <u>October 1, 2001</u> Date	
Total number of pages including coversheet, attachments and document: 4	

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CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner of Patents, Washington, D.C. 20231.

10-01-01 Marie A. Colokathis Marie A. Colokathis
Date of Deposit Signature Typed Name of Person Signing Certificate

PATENT
REEL: 012223 FRAME: 0293

ASSIGNMENT

For valuable consideration, we, RAMAMURTHY MANI, of 290 Grove Street, Apt. 8, Newton, MA 02466, and DON OROFINO, of 32 Bent Road, Sudbury, MA 01776, hereby assign to The MathWorks, Inc., a Massachusetts corporation having a place of business at 3 Applehill Drive, Natick, MA 01760-2098, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled IMPLICIT FRAME-BASED PROCESSING FOR BLOCK DIAGRAM SIMULATION, filed July 18, 2001, and assigned U.S. Serial Number 09/908,096, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at 3 Apple Hill Dr, Watlik MA 01760
this 7th day of August, 20 01
Mani L.S.
RAMAMURTHY MANI

State of Massachusetts

: ss.

County of Middlesex :

Before me this 7th day of August, 20 01, personally
appeared RAMAMURTHY MANI known to me to be the person whose name is subscribed to
the foregoing Assignment and acknowledged that he executed the same as his free act and deed
for the purposes therein contained.

Domenic L. Vassallo
Notary Public

My Commission Expires: 1/25/02

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at 3 Apple Hill Drive Natick MA 01760

this 7th day of August, 20 01

[Signature] L.S.
DON OROFINO

State of Massachusetts

: ss.

County of Norfolk :

Before me this 7th day of August, 20 01, personally appeared DON OROFINO known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

[Signature]
Notary Public

My Commission Expires: 1/25/02

[Notary's Seal Here]

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